

Vol. III. No. 2.

June 1909.

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Bulletin of the  
**College of**  
**William and Mary**  
**Williamsburg, Virginia.**

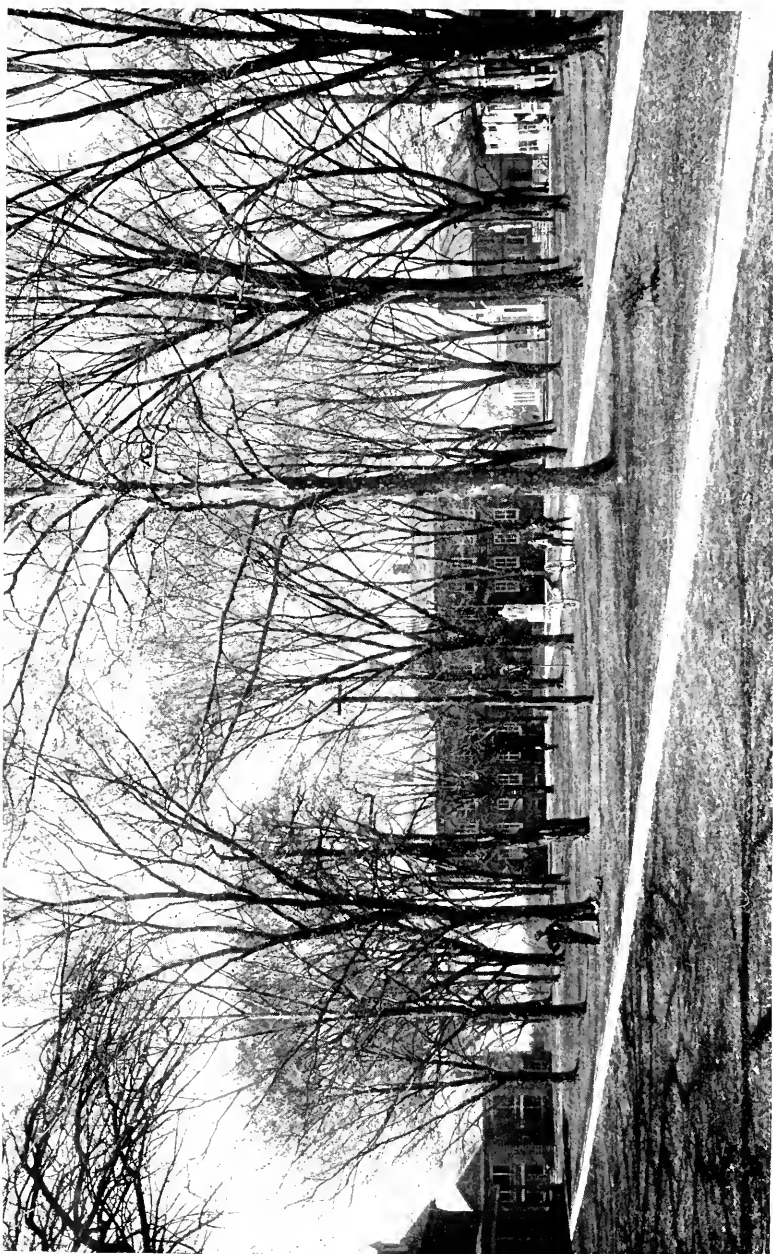


Catalogue for the Session of 1908 - 1909.

Announcement for Session 1909-1910. 10



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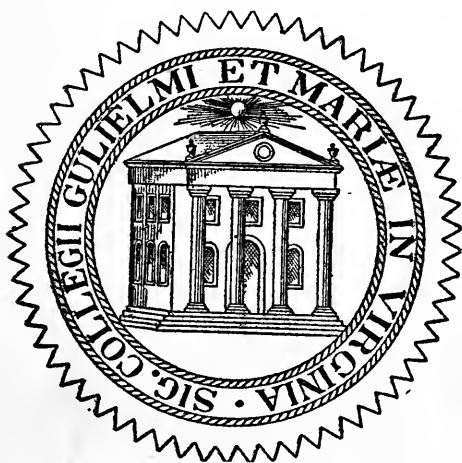


WILLIAM AND MARY COLLEGE.

Catalogue of the

**College of  
William and Mary**

**Williamsburg, Virginia.**



Session of 1908 - 1909.

Announcement for Session 1909-1910.

## Directory.

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*President*—LYON G. TYLER, LL. D.

*Dean*—J. LESSLIE HALL, PH. D.

*Registrar*—H. L. BRIDGES, A. B.

*Treasurer*—L. W. LANE, JR.

*Librarian*—MISS EMILY CHRISTIAN.

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NEXT SESSION begins Thursday, September 16, 1909.

THANKSGIVING DAY, suspension of all College exercises.

CHRISTMAS VACATION begins December 22, 1909, at 5 P. M.,  
extends to January 3, 1910, at 8:45 A. M.

THE SECOND TERM begins February 1, 1910.

FEBRUARY 22, 1910, suspension of all College exercises.

MAY 13, 1910, suspension of all College exercises. Jamestown  
Day.

SESSION ends Second Thursday in June, 1910.

Catalogue of the  
**College of William and Mary,**  
Williamsburg, Virginia.

Published four times each year: January 1, April 1, June 1, and October 1.

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VOL. III.

JUNE, 1909.

No 2.

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**Board of Visitors.**

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ROBT. M. HUGHES, Esq., Rector,  
Norfolk, Virginia.

HON. JAMES N. STUBBS, Vice-Rector,  
Woods X-Roads, Gloucester County, Virginia.

HON. J. D. EGGLESTON, Jr.,  
Richmond, Virginia.

HON. THOMAS H. BARNES,  
Suffolk, Virginia.

HON. WILLIAM M. ELLIS,  
Shawsville, Montgomery County, Virginia.

HON. B. B. MUNFORD,  
Richmond, Virginia.

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Hampton, Virginia.

W. D. SMITH, Esq.,  
Gate City, Virginia.

## WILLIAM AND MARY COLLEGE

HON MANLY H. BARNES,  
Williamsburg, Virginia.

HON. JOSEPH H. CHITWOOD,  
Rocky Mount, Virginia.

JAMES ROBERT JORDAN, Esq.,  
Smithfield, Virginia.

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## Officers of Instruction and Administration.

---

PRESIDENT AND MASTERS, OR PROFESSORS.  
1908-1909.

LYON G. TYLER, M. A., LL. D.,  
PRESIDENT.

J. LESSLIE HALL, Ph. D.,  
*Dean of the Faculty.*

---

LYON G. TYLER, M. A., LL. D.,  
*Professor of Politics and Economics.*

J. LESSLIE HALL, Ph. D.,  
*Professor of the English Language and Literature.*

THOMAS JEFFERSON STUBBS, A. M., Ph. D.,  
*Professor of Mathematics.*

VAN F. GARRETT, A. M., M. D.,  
*Professor of Chemistry.*

**CHARLES EDWARD BISHOP, Ph. D.,**

*Professor of Greek, French, and German.*

**JOHN W. RITCHIE, A. B.,**

*Professor of Biology.*

**RICHARD M. CRAWFORD, A. M.,**

*Professor of Drawing and Manual Arts.*

**WALTER A. MONTGOMERY, A. B., Ph. D.,**

*Professor of Latin and Associate Professor of Greek.*

**HENRY E. BENNETT, A. B.,**

*Professor of Philosophy and Education and Supervisor of Model School.*

**WILLIAM H. KEEBLE, B. S.,**

*Professor of Physics.*

**JAMES S. WILSON, A. M., Ph. D.,**

*Professor of History and Associate Professor of English Language and Literature.*

**HENRY T. LOUTHAN, A. B.,**

*Adjunct Professor of Latin and Greek.*

**GEORGE O. FERGUSON, A. B.,**

*Adjunct Professor of Education and Philosophy.*

**JOHN TYLER, A. M.,**

*Adjunct Professor of Mathematics.*

**HERBERT L. BRIDGES, A. B.,**

*Assistant in American History and Politics.*

**SMITH J. WILLIAMS, A. B.,**

*Instructor in English Language and Literature.*

**FRED M. CRAWFORD, A. B.,**

*Physical Director and Assistant in Drawing and Manual Art.*

**EDWARD L. B. GOODWIN,**

*Assistant in Biology.*

## Instructors and Assistants.

---

NANNIE C. DAVIS,  
*Assistant in Education.*

C. T. BLACKMORE,  
*Laboratory Assistant in Chemistry.*

J. C. FREEMAN,  
*Laboratory Assistant in Physics.*

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## Officers.

H. L. BRIDGES, A. B.,  
*Registrar, and Secretary of the Faculty.*

EMILY P. CHRISTIAN,  
*Librarian, and College Secretary.*

GEORGE A. HANKINS, M. D.,  
*College Physician.*

R. L. SPENCER,  
*Steward of the Boarding Department, and Superintendent of Grounds  
and Buildings.*

L. W. LANE, Jr.,  
*Treasurer, and Secretary of the Board of Visitors.*

MARY A. MORECOCK,  
*Secretary to the President.*

# Student Roll.

1908-1909.

Agee, Kenneth Arnold, .....	Hilton's, Scott Co., Va.
Allison, Harry Augustus, .....	Warrenton, Fauquier Co., Va.
Andrews, Harris Glover, .....	Newport News, Va.
Arnold, Allen Ashby, .....	Franktown, Northampton Co., Va.
Arnold, George Prince, .....	Waverly, Sussex Co., Va.
Bancroft, George Stanley, .....	Boulevard, New Kent Co., Va.
Barber, Robert Bruce, .....	Emmertown, Richmond Co., Va.
Barnes, Chiles Manly, .....	Williamsburg, Va.
Barrow, Theodore, Jr., .....	Smithfield, Isle of Wight Co., Va.
Beale, George Edwin, Jr., .....	Williamsburg, Va.
Beale, John Daniel, .....	Williamsburg, Va.
Bear, Francis Harvey, .....	Churchville, Augusta Co., Va.
Bell, Cecil Cooper, .....	South Norfolk, Norfolk Co., Va.
Bennett, Thomas William, .....	Philadelphia, Pa.
Berwind, John Sherry, .....	Philadelphia, Pa.
Bing, Bennett Ellis, .....	Free Union, Albemarle Co., Va.
Birkhead, Kendall Palmer, .....	Proffit, Albemarle Co., Va.
Bishop, Charles Eric, Jr., .....	Williamsburg, Va.
Blackmore, Charles Thomas, .....	Hampton, Va.
Blackwell, Herbert Hatchett, .....	Kenbridge, Lunenburg Co., Va.
Bolton, Robert Lee, .....	Branchville, Southampton Co., Va.
Borkey, Andrew Verbin, .....	Bowling Green, Caroline Co., Va.
Borkey, Malcom Lenwood, .....	Bowling Green, Caroline Co., Va.
Bowling, Marvin Carlisle, .....	Andersonville, Buckingham Co., Va.
Brannon, Guy Worth, .....	Whitacre, Frederick Co., Va.
Brent, John Harper, .....	Heathsville, Northumberland Co., Va.
Bristow, Frank Marshall, .....	Churchview, Middlesex Co., Va.
Brockwell, Raymond Harrison, ..	Bradley's Store, Chas. City Co., Va.
Brown, Jesse Gwaltney, .....	Newport News, Va.
Burroughs, Charles Marshall, .....	Portsmouth, Va.
Burton, Frank Patteson, .....	Stuart, Patrick Co., Va.
Capps, John Edgar, .....	Princess Anne, Princess Anne Co., Va.
Carter, Josiah Tidball, .....	Minnieville, Pr. William Co., Va.
Clark, William Douglass, .....	Jetersville, Amelia Co., Va.
Clements, James David, .....	Ordinary, Gloucester Co., Va.
Cobb, Benjamin Edwin, Jr., .....	Blackstone, Nottaway Co., Va.
Cofer, John Madison, .....	Montvale, Bedford Co., Va.
Cohen, Whitfield, .....	New York, N. Y.
Collins, Robert Hugh, .....	Bowling Green, Caroline Co., Va.

Cottrell, Samuel Mahlon, .....	Diascond, James City Co., Va.
Cox, Samuel Willmont, .....	Hilton's Scott Co., Va.
Crickenberger, Eugene Gordon, .....	Earlsville, Albemarle Co., Va.
Creekmore, Thomas Leonidas, .....	Portsmouth, Va.
Cromwell, Albert C., .....	Norfolk, Va.
Custis, George Rurik, .....	Keller, Accomac Co., Va.
Dameron, Wilbur Robbins, .....	Kinsale, Westmoreland Co., Va.
Davis, Jack Marye, .....	R. F. D. No. 1, Beaverdam, Hanover Co., Va.
Davis, Thomas Young, .....	R. F. D. No. 1, Beaverdam, Hanover Co., Va.
Deal, Thurman, .....	Norfolk, Va.
Deal, Roy Chetwood, .....	Norfolk, Va.
Deierhoi, William Nansen, .....	Highland Springs, Henrico Co., Va.
Dirickson, Cowell Foman, .....	Berlin, Md.
Dold, Douglass Meriwether, .....	River Crest, Astoria, L. I., N. Y.
Douglass, William Crawford, .....	Durham, N. C.
Dovell, Chauncey Elmo, .....	Uno, Madison Co., Va.
Driver, James Glum, .....	Hardenburg, Spottsylvania Co., Va.
Dunn, Robert Emory, .....	Free Union, Albemarle Co., Va.
Eagle, Joseph Page, .....	Winterpock, Chesterfield Co., Va.
Eanes, H. B., .....	Petersburg, Va.
Ebell, Charles Lewis, .....	Elwood, N. J.
Etheridge, Herbert Rogers, .....	Norfolk, Va.
Ewell, Robert Alexander, .....	Ruckersville, Greene Co., Va.
Ewell, Nathaniel McGregor, .....	Ruckersville, Greene Co., Va.
Flanary, Ernest Wright, .....	Dryden, Lee Co., Va.
Fletcher, Howell Harris, .....	Dot, Lee Co., Va.
Forrest, Alfred Sylvester, .....	Messick's, York Co., Va.
Fox, Hamilton Philips, .....	Franktown, Northampton Co., Va.
Fraley, William Elbert, .....	Duffield, Scott Co., Va.
Freeman, John Compton, .....	Arcola, Loudoun Co., Va.
Fulton, Hylton Harrison, .....	Critz, Patrick Co., Va.
Gale, Joseph Bronson, .....	Bobs, Isle of Wight Co., Va.
Garth, Bernard Allen, .....	Ivy Depot, Albemarle Co., Va.
Garth, James Fendal, .....	Ivy Depot, Albemarle Co., Va.
Geddy, Thomas Henley, Jr., .....	Williamsburg, Va.
Gibson, Samuel Vance, .....	Castlewood, Russell Co., Va.
Gilliam, Paul Sherwood, .....	Norfolk, Va.
Goodwin, Edward Le Baron, .....	Fairfax, Va.
Granberry, William Cropp, .....	Atlanta, Ga.
Graves, Frank Erskin, .....	Marksville, Page Co., Va.
Graves, Lester E., .....	Syria, Madison Co., Va.
Gray, Harold Glidden, .....	Saluda, Middlesex Co., Va.
Gray, Roswell Park, Jr., .....	Signpine, Gloucester Co., Va.
Greear, Woodson V., .....	Coeburn, Wise Co., Va.
Greene, Francis Henry, .....	Staunton, Va.

Greene, John Newport, .....	Staunton, Va.
Hagan, C. S., .....	Mannington, W. Va.
Haizlip, Samuel Lee, .....	Leaksville, N. C.
Hall, Frank Nabariah, .....	Great Bridge, Norfolk Co., Va.
Hall, Joseph Farland, .....	Williamsburg, Va.
Hall, John Leslie, Jr., .....	Williamsburg, Va.
Hall, Channing Westbrook, .....	Berkley, Norfolk Co., Va.
Hamilton, Henry Rufus, .....	Nickelsville, Scott Co., Va.
Harper, Wilson Bowen, .....	Port Norfolk, Va.
Harris, James Madison, .....	Blackstone, Nottoway Co., Va.
Harris, Selden Stanley, .....	Blackstone, Nottoway Co., Va.
Harrison, William Mortimer, .....	Shirley, Charles City Co., Va.
Hart, Charles Hardy, Jr., .....	Smithfield, Isle of Wight Co., Va.
Healy, Joseph Ewart, .....	Streets, Middlesex Co., Va.
Hillman, James Noah, .....	Williamsburg, Va.
Hodges, Clarence Nash, .....	Hickory, Norfolk Co., Va.
Hodgson, Edgar Allen, .....	Kinsale, Westmoreland Co., Va.
Honey, Robert Emmett, .....	Crest Hill, Fauquier Co., Va.
Hopkins, Walter Lee, .....	Rocky Mount, Franklin Co., Va.
Houghton, Stanley Baylor, .....	Portsmouth, Va.
Howard, Waller Lane, .....	Floyd, Va.
Hughes, Robert Alton, .....	Bridgeville, Del.
Hughes, Albert G., .....	Newport News, Va.
Hughes, Houston Boyd, .....	Newport News, Va.
Hurt, Joseph Mettauer, Jr., .....	Blackstone, Nottoway Co., Va.
Hynson, Read, .....	Occoquan, Prince William Co., Va.
Ives, Jeb Stuart, .....	Fentress, Norfolk Co., Va.
Jackson, Robert Bruce, .....	Keswick, Albemarle Co., Va.
Jennings, William Robert, .....	Camp, Smyth Co., Va.
Jones, Augustus Drewry, .....	Williamsburg, Va.
Jones, Edward Cary, .....	Urbanna, Middlesex Co., Va.
Johnston, Herbert French, .....	Upperville, Fauquier Co., Va.
Johnson, Samuel Warthol, .....	Sandy Ford, Bedford Co., Va.
Jordan, Willie Frank, .....	Rescue, Isle of Wight Co., Va.
Kennard, Guthrie Shelby, .....	Williamsburg, Va.
Kite, James, Barbour, Jr., .....	Claremont, West Va.
Koontz, Amos Ralph, .....	Marksville, Page Co., Va.
Koontz, Clarence Edgar, .....	Luray, Page Co., Va.
Leatherbury, Alfred Parker, .....	Machipongo, Northampton Co., Va.
Lee, William Byrd, Jr., .....	Gloucester, Va.
Lewis, Frank Waring, Jr., .....	Wheaton, Lancaster Co., Va.
Long, Charles Henry, .....	Philadelphia, Pa.
Love, James Woolf, .....	Hamilton, Loudoun Co., Va.
Machen, Emmett Lee Haskins, .....	Mobjack, Mathews Co., Va.
Maloney, Milan Marshall, .....	Craig City, Craig Co., Va.

Manly, Basil, .....	Norfolk, Va.
Marston, Henry Benjamin, .....	Toano, James City Co., Va.
Martin, Thomas Smith, .....	Lanexa, New Kent Co., Va.
Mason, John Young, .....	Mason's, Sussex Co., Va.
Metcalf, William Franklin, .....	Williamsburg, Va.
Miller, Ashley Randolph, .....	Cobbs' Creek, Mathews Co., Va.
Miller, Walter Emerson, .....	Norfolk, Va.
Montgomery, Samuel Joseph, .....	Lacrosse, Mecklenburg Co., Va.
Moore, Frank Lesslie, .....	Sassafras, Gloucester Co., Va.
Moore, Milton, .....	Conde, Fauquier Co., Va.
Mountcastle, George Henry, .....	Mountcastle, New Kent Co., Va.
Murden, Edward Russell, .....	Water Oak, Princess Anne Co., Va.
Myrick, Samuel Starr, .....	Sands, Southampton Co., Va.
McAllister, James Rowan, .....	Norfolk, Va.
McCandlish, Edgar Montague, .....	Saluda, Middlesex Co., Va.
McDonald, Richard Turner, .....	Warrenton, Va.
McRae, Duncan, .....	Macon, Ga.
Neale, Thomas Sherman, .....	Heathsville, Northumberland Co., Va.
Neblett, Herbert Clarence, .....	Kinderwood, Lunenburg Co., Va.
Neblett, William Hayney, .....	Kinderwood, Lunenburg Co., Va.
Newcomb, John Segar, .....	White Marsh, Gloucester Co., Va.
Newton, Blake Tyler, .....	Hague, Westmoreland Co., Va.
Oakham, Allan Esticourt, .....	Hodges Ferry, Norfolk Co., Va.
O'Keeffe, Alexis Wyckoff, .....	Williamsburg, Va.
Page, Richard Mann, .....	Coke, Gloucester Co., Va.
Parker, Richard, .....	Loretto, Essex Co., Va.
Parker, Joseph Daniel, .....	Menchville, Warwick Co., Va.
Parker, Henry Godwin, .....	Portsmouth, Va.
Parker, William Leroy, .....	Portsmouth, Va.
Patterson, James Samuel, .....	Harriston, Augusta Co., Va.
Patterson, John Land, .....	Harriston, Augusta Co., Va.
Payne, Beverley Tucker, .....	Norfolk, Va.
Peatross, Louis Ashly, .....	Norfolk, Va.
Person, Charles Edwin, .....	Williamsburg, Va.
Porter, Andrew Lindsey, .....	Rural Retreat, Wythe Co., Va.
Porter, Jesse Graves, .....	Rural Retreat, Wythe Co., Va.
Powers, William Thornton, .....	Port Royal, Caroline Co., Va.
Prillaman, Rufus A., .....	Callaway, Franklin Co., Va.
Pritchett, Harry Wooding, .....	Wenonda, Pittsylvania Co., Va.
Reid, Edgar Paul, .....	Franktown, Northampton Co., Va.
Renick, Charlie Clark, .....	Callaway, Franklin Co., Va.
Reynolds, Calvin Lewis, .....	Rapidan, Culpeper Co., Va.
Richardson, Cameron Gregg, Jr., .....	Portsmouth, Va.
Roach, Wilfred Everard, .....	Glen Echo, Md.
Rogers, James Herbert, .....	Carsley, Surry Co., Va.

Schlossberg, Nathan William, .....	Portsmouth, Va.
Scott, Guillermo Hernandez, .....	Williamsburg, Va.
Shreve, George Henry, .....	Sterling, Loudoun Co., Va.
Sizer, David Daniel, .....	St. Just, Orange Co., Va.
Skinner, Robert Emile, .....	Kenbridge, Lunenburg Co., Va.
Skinner, William Wallace, .....	Norfolk, Va.
Smith, Charles Henry, .....	Oldhams, Westmoreland Co., Va.
Snipes, Elisha Lucas, .....	Zuni, Isle of Wight Co., Va.
Spence, Earl Howard, .....	London Bridge, Princess Anne Co., Va.
Spencer, Howard Gregory, Jr., .....	Williamsburg, Va.
Spencer, Dangerfield Blair, .....	Williamsburg, Va.
Stanley, Isaac Jones, .....	Mayberry, Carroll Co., Va.
Staton, Lewis Betty, .....	Richmond, Va.
Stott, John Walter, Jr., .....	Smithfield, Isle of Wight Co., Va.
Straughan, Woodfin S., .....	Oldhams, Westmoreland Co., Va.
Sulfridge, Hugh Leander, .....	Coeburn, Wise Co., Va.
Taylor, Charles Albert, .....	Urbanna, Middlesex Co., Va.
Taylor, Fernando Wood, .....	Lomax, Scott Co., Va.
Taylor, Stuart Blair, .....	Barboursville, Orange Co., Va.
Terrell, George Tyler, .....	Ullainee, Essex Co., Va.
Thomas, Earle Baldwin, .....	Brooklyn, N. Y.
Thomas, George W., .....	Sterling, Loudoun Co., Va.
Thompson, Armistead Turner, .....	Fairfax, Va.
Thompson, Samuel Marshall, .....	Fairfax, Va.
Thoms, Alvin Louis, .....	Egg Harbor City, N. J.
Tillage, Nathan Hammond, .....	Crab, Gloucester Co., Va.
Tompkins, Henry Fitzhugh, .....	Guineys, Caroline Co., Va.
Tonkin, William Loraine, .....	Portsmouth, Va.
Torregrosa, Manuel Francis, .....	Carolina, Porto Rico.
Towles, LeRoy Chowning, .....	Molusk, Lancaster Co., Va.
Tucker, Arthur Peoples, .....	Merry Mount, N. C.
Tucker, John Lewis, .....	Merry Mount, N. C.
Tunstall, Whitmell Pearson, .....	Quinton, New Kent Co., Va.
Warburton, Robert Clarence, .....	Hot Water, James City Co., Va.
Warner, Selden Richard, .....	Dunnsville, Essex Co., Va.
West, Elliott Edwin, Jr., .....	Bacon's Castle, Surry Co., Va.
White, Samuel Cole, .....	Ivy Depot, Albemarle Co., Va.
White, Estrich Peterson, .....	Odd, York Co., Va.
White, Paul Land, .....	Va. Beach, Va.
Whitley, David Searle, .....	Windsor, Isle of Wight Co., Va.
Wickes, Charles Wilmuth, Jr., .....	New Market, Shenandoah Co., Va.
Wilkinson, Isham T., .....	Lunenburg, Va.
Williams, Smith Johns, .....	Iraville, Essex Co., Va.
Winfree, Howell Lange, .....	Swoope, Augusta Co., Va.
Winn, Charles Edgar, .....	Fitchetts, Mathews Co., Va.

Yancey, Floyd Edward, .....Clarksville, Mecklenburg Co., Va.  
 Young, Roscoe Conkling, .....Pennington Gap, Lee Co., Va.

Number of Students, ..... 228  
 Pupils in Model School, ..... 140  
 Total Roster, ..... 368

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## Students by Classes.

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### CANDIDATES FOR MASTER'S DEGREE.

#### CLASS OF 1909.

Hillman, J. N.,	Hubbard, J. N.,	Roach, W. E.,
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### CANDIDATES FOR BACHELOR'S DEGREE.

#### CLASS 1909.

Brent, J. H.,	Freeman, J. C.,	Sizer, D. D.,
Bowery, C. B.,	Gilliam, P. S.,	Summers, J. H.,
Douglass, W. C.,	Koontz, C. E.,	Taylor, C. A.,
Ebell, C. L.,	Mason, J. Y.,	Warner, S. R.,
Etheridge, H. R.,	McRae, D.,	

#### CLASS OF 1910.

Beale, J. D.,	Goodwin, E. L. B.,	Koontz, A. R.,
Bear, F. H.,	Graves, F. E.,	Lewis, F. W.,
Bell, C. C.,	Hall, J. L.,	Sulfridge, H. L.,
Blackmore, C. T.,	Hall, C. W.,	Tompkins, H. F.,
Davis, J. M.,	Hurt, J. M.,	Young, R. C.,

#### CLASS OF 1911.

Agee, K. A.,	Fletcher, H. H.,	Schlossberg, N. W.,
Arnold, G. P.,	Fox, H. P.,	Snipes, E. L.,
Capps, J. E.,	Gray, R. P.,	Taylor, F. W.,
Carter, J. T.,	Healy, J. E.,	Thomas, G. W.,
Dold, D. M.,	Lee, W. B.,	Thomas, A. L.,
Driver, J. G.,	Newton, B. T.,	Yancey, F. E.,
Ewell, N. M.,	Peatross, L. A.,	

## CLASS OF 1912.

Allison, H. A.,	Geddy, T. H.,	Parker, R.,
Arnold, A. A.,	Haizlip, S. L.,	Person, C. E.,
Barber, R. B.,	Hart, C.,	Terrell, G. T.,
Berwind, J. S.,	Hughes, R. A.,	Thomas, E. B.,
Cohen, W.,	Kennard, G. S.,	Tonkin, W. L.,
Crickenberger, E. G.,	Metcalf, W. E.,	West, E. E.,
Deierhoi, W. H.,	Montgomery, S. J.,	White, S. C.,
Fraley, W. E.,	Neblett, H. C.,	White, P. L.,

## SUB-COLLEGIATE CLASS.

## SECOND YEAR.

Andrews, H. G.,	Hall, F. N.,	Newcomb, J. S.,
Beale, G. E.,	Jackson, R. B.,	O'Keeffe, A. W.,
Bennett, T. W.,	Jones, A. D.,	Payne, B. T.,
Bishop, C. E.,	Jones, E. C.,	Page, R. M.,
Clements, J. D.,	Long, C. H.,	Skinner, W. W.,
Deal, R. C.,	Machen, E. L.,	Staton, L. B.,
Deal, T.,	Manley, B.,	Tillage, N. H.,
Dunn, R. E.,	Marston, H. B.,	Torregrosa, M. F.,
Ewell, R. A.,	Miller, A. R.,	Tucker, J. L.,
Greene, J. N.,	McCandlish, E. M.,	Wickes, C. W.,
	Neblett, W. H.,	

## SUB-COLLEGIATE.

## FIRST YEAR.

Barrow, T.,	Flanary, E. W.,	McAllister, J. R.,
Bowling, M. C.,	Fulton, H. H.,	Patterson, J. S.,
Burroughs, M.,	Granberry, W. C.,	Reynolds, C. L.,
Burton, F. P.,	Gray, H. C.,	Richardson, C. G.,
Cobb, B. E.,	Hughes, A. G.,	Spencer, D. B.,
Cofer, J. M.,	Hughes, H. B.,	Stott, J. W.,
Collins, C. L.,	Hynson, R.,	Towles, L. R.,
Cromwell, A. C.,	Jennings, W. R.,	Tucker, A. P.,
Davis, T. Y.,	Johnson, S. W.,	White, E. P.,
Dirickson, C. F.,	Kite, J. B.,	Whitley, D. S.,
Dovel, C. E.,	Miller, W. E.,	Winfree, H. L.,
	Myrick, S. S.,	

## CANDIDATES FOR TEACHERS' DIPLOMA.

## CLASS OF 1909.

Beale, J. D.,	Douglass, W. C.,	Taylor, C. A.,
Bear, F. H.,	Graves, F. E.,	Taylor, F. W.,
Bell, C. C.,	Koontz, A. R.,	Tompkins, H. F.,
Davis, J. M.,	Mason, J. Y.,	Warner, S. R.,
DeShazo, R. M.,	Sulfridge, H. L.,	Young, R. C.,
	Sizer, D. D.,	

## CLASS OF 1910.

Agee, K. A.,	Gibson, S. V.,	Newton, B. T.,
Arnold, G. P.,	Gray, R. P.,	Parker, R.,
Bristow, F. M.,	Haizlip, S. L.,	Terrell, G. T.,
Capps, J. E.,	Healy, J. E.,	West, E. E.,
Driver, J. G.,	Hughes, R. A.,	White, S. C.,
Ewell, N. M.,	Lee, W. B.,	Yancey, F. E.,
Fraley, W. E.,	Lewis, F. W.,	Montgomery, S. J.

## CLASS OF 1911.

Blackwell, H. H.,	Hodges, C. N.,	McDonald, R. T.,
Bolton, R. L.,	Hodgson, E. A.,	Neale, T. S.,
Borkey, A. V.,	Hopkins, W. L.,	Oakham, A. E.,
Cottrell, S. M.,	Houghton, S. B.,	Parker, J. D.,
Dameron, W. R.,	Jordan, W. F.,	Porter, A. L.,
Deierhoi, W. H.,	Leatherbury, A. P.,	Rogers, J. H.,
Gale, J. B.,	Love, J. W.,	Shreve, G. H.,
Garth, J. F.,	Maloney, M. M.,	Spencer, H. G.,
Greene, F. H.,	Martin, T. S.,	Spence, E. H.,
Hamilton, H. R.,	Metcalf, W. E.,	Tunstall, W. P.,
Harper, W. B.,	Mountcastle, G. H.,	Warburton, R. C.,
Harrison, W. M.,	Murden, E. R.,	


## CLASS OF 1912.

Bancroft, G. S.,	Greear, W. V.,	Powers, W. T.,
Bing, B. E.,	Hall, F. N.,	Prillaman, R. A.,
Borkey, M. L.,	Harris, J. M.,	Reid, E. P.,
Brannon, G. W.,	Harris, S. S.,	Renick, C. C.,
Brockwell, R. H.,	Honey, R. E.,	Scott, G.,
Brown, J. G.,	Howard, W. L.,	Skinner, R. E.,
Clark, W. D.,	Ives, J. S.,	Smith, C. H.,
Cox, S. W.,	Johnston, H. F.,	Stanley, I. J.,
Custis, G. R.,	Moore, F. L.,	Straughan, W. S.,
Eagle, J. P.,	Moore, M.,	Taylor, S. B.,
Forrest, A. S.,	Parker, H. G.,	Thompson, A. T.,
Garth, B. A.,	Parker, W. L.,	Thompson, S. M.,
Graves, L. E.,	Patterson, J. L.,	Winn, C. E.,
	Porter, J. G.,	

## Announcements for Session 1909-1910.

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### History.

WEET remembrances of an Old World and a New breathe about the very campus of the College of William and Mary. Chartered in 1693 by an English king and queen, and bearing their names, the college, fostered by royalty and the care of the Bishop of London, soon became associated with all the activities of early Virginia. Its dormitories bear the name of the English estate of the Brafferton in Yorkshire, on the one hand, and on the other the names of Virginia's distinguished sons, Ewell and Taliaferro. The president's house, accidentally destroyed by fire, was restored at the private cost of a king of France, and the statue of the popular royal governor, Lord Botetourt, still stands on a campus made sacred by the footsteps of the patriots, Washington, Jefferson, Marshall and Monroe.

The college lived on with a fair degree of success under its first president, Dr. James Blair, until October 29, 1705, when it was unfortunately burned. The work of teaching went forward in spite of this disaster, and in 1711, the college had been rebuilt upon the old walls; with the addition in 1723 of the new Brafferton building, which was at first used as the Indian School. Later the south wing was added to the college building for a chapel, in 1732, and in the same year the foundation of the president's house was laid.

President Blair, by whom the college had been chiefly founded and through whose abilities it had prospered, died in 1743; and the Professor of Moral Philosophy, Dr. William Dawson, suc-

ceeded him as president. It was during President Dawson's administration that George Washington received his appointment from the college as county surveyor for Fairfax. The next president was the historian of Virginia, William Stith, who came to the office after Dr. Dawson's death in 1752.

Through a checkered career, as full of strife as of usefulness, the college, with a faculty of seven, went on in her labors, training men for the important struggle that was to come. During this period the presidents were Rev. Thomas Dawson, 1755-61; Rev. William Yates, 1761-64; Rev. James Horrocks, 1764-71; and Rev. John Camm, 1771-1777. During this latter period, Lord Botetourt in 1771 donated a number of medals to the college, which were the first to be awarded in America as collegiate prizes. On December 5, 1776, the famous Phi Beta Kappa, the first and most distinguished of all Greek letter fraternities, was founded by students of the college.

The character of the students of this early period of William and Mary's history may be judged by the influence of its alumni upon the making of the nation: three presidents of the United States attended classes at the college; Jefferson, Monroe and Tyler; and of these, two were students before the Revolution. Fifteen governors of Virginia were from these halls, and some of the most distinguished among them, Jefferson, Benjamin Harrison, the Randolphs and John Page, were of the early days. Four signers of the Declaration of Independence; and Marshall, Blair, Bushrod Washington and Philip P. Barbour, of the Supreme Bench, swell the honor roll of those bygone days. Many as the distinguished sons of the college in later years have been, no period in its history has equaled in results the pre-Revolutionary times.

Throughout the Revolution the college continued its exercises save for a short period at the time of the Yorktown campaigns, when Williamsburg became for a time almost the center of the

Revolution. The president's house suffered by fire, after having been the headquarters of Lord Cornwallis. As it was burned during its occupation by the French, it was restored at their expense.

In 1777, Rev. James Madison was elected president, and under his energetic management the college entered upon a new era. At this time Thomas Jefferson became a member of the Board of Trustees of the college, and put into operation many of his educational ideas. The college was changed to a university, and schools of modern languages and municipal law—the first of their kind in America—were introduced. A general lecture system was instituted and free election was permitted among the courses offered. The first principles of the honor system may also be discerned at this time. George Wythe, the professor of law, and James McClurg, professor of medicine, vied with President Madison in distinction. Although President Madison became the first Bishop of the Episcopal Church in Virginia, the college never resumed its connection with the denomination after the Revolution.

President Madison died in 1812, having held the presidency since his twenty-eighth year; and the college suffered another loss in the transference of Jefferson's patronage soon afterward to his projected university at Charlottesville. The five presidents who followed were, Rev. John Bracken, 1812-14; John Augustine Smith, M. D., 1814-1826; Rev. William H. Wilmer, 1826-27; Rev. Adam Empie, 1827-36, and Thomas R. Dew, 1836-46.

Under President Dew and a remarkably able Faculty, the attendance was increased to 140 in 1839, a larger number than had hitherto attended the college during any session. A brief period of internal strife was followed by a revival of strength and influence under Presidents Johns and Ewell. The presidents after Dew were Robert Saunders, 1846-7; Benjamin

S. Ewell, 1848; Bishop John Johns, 1849-54, and B. S. Ewell, 1854-88. In 1859, the main building of the college was burned for the second time, and the precious contents of the library destroyed. The war brought a suspension of the work of the college in 1861, and during the civil strife the main building was destroyed by fire for the third time; not, however, as before, by accident, but at the hands of Federal soldiers.

The Federal Government reimbursed the college for this loss in 1893.

After the war, the college opened in 1865, with Colonel Benjamin S. Ewell again acting as president. An effort to remove the college to Richmond was defeated, and the burnt buildings were restored; but for financial reasons the work of the college was suspended from 1881 until 1888.

With the assistance of the State, there was a reorganization in 1888, with Lyon G. Tyler as president. A period of new life and usefulness was begun and soon the college reached the most prosperous state in its history. In 1906, the college became strictly a State institution, operated by a board appointed by the Governor of Virginia. Since the reopening of the college several new buildings have been erected and the number of professorships increased. A gymnasium, infirmary, science hall and library were built and the working apparatus of every department is constantly being improved. The student body itself has increased in numbers, and is more satisfactorily prepared; the standard of requirements for entrance into college work and for the attainment of degrees has been materially raised. A spirit of wholesome growth and advancement is felt throughout the entire body-corporate of the institution.

### COLLEGE GROUNDS.

The buildings of the College of William and Mary are situated upon a triangular campus, which is shaded by a beautiful grove. The total area of the campus is thirty acres, the western portion of which is utilized principally for the athletic grounds, including a large enclosed athletic park and tennis courts.

### MAIN BUILDING.

The main college building is the largest and oldest of the buildings, and most of its walls are those of the original structure of 1693. In this are the lecture rooms used by the departments of English, Mathematics, Latin, Greek and Modern Languages, Philosophy and Education, the two Literary Society Halls, and the old Library room. The south wing of this building is the chapel, in which are some interesting portraits and tablets erected to the memory of distinguished alumni. The north wing is used by the Department of Drawing and Manual Arts.

### BRAFFERTON AND PRESIDENT'S HOUSE.

In front of the main building and facing on the grove, are Brafferton Hall and the President's house. The former was built in 1723, and until 1793 accommodated the Indian School. Since the discontinuance of the Indian School, it has been used as a dormitory. The President's house was built in 1732, and has been the residence of the successive presidents of the institution.

### SCIENCE HALL.

A new Science Hall has been recently added to the College, and is a handsome building. It is thoroughly equipped with lecture-rooms, laboratories and apparatus. The departments of Physics and Chemistry occupy the first floor. The north side, used for Chemistry, is divided into a lecture room, a laboratory, an apparatus room, and a closet for tools. The Chemistry lecture-room provides for seventy students; has modern folding-seats with arm-rests, slate blackboards, steam heat from furnace in a basement room below, water and electricity,

lecture table, and cases for holding chemical apparatus, ores and minerals. The chemical laboratory accommodates fifty-six students working together. The desks have water, sinks, locked drawers, and full sets of reagents. There are gas closets with glass doors, cases for chemicals, apparatus, and supplies, and side-table reagents. A general storage room for glassware and supplies contains also a large close-fitting case for acids.

The Physics lecture-room provides for sixty students. It has lecture table, folding seats, electric lights, steam heat and water. The apparatus room adjoins the lecture-room, and is well supplied with apparatus for lecture experiments; and being convenient also to the laboratory, is used for storing some of the larger pieces of students' apparatus.

The physic laboratory accommodates fifty-six students working in pairs. There are five laboratory tables supplied with water, sinks, etc. Three solid piers are built up from the foundation; cases with glass sliding doors, for storing the greater part of the re-duplicate sets of apparatus, run the length of the room. The apparatus is new, and has been carefully selected. Both the Chemistry and the Physics laboratories have bookcases for reference books.

Biological laboratories are located on the second floor, and are equipped with compound microscopes and other necessary apparatus. The location of the College gives the biological department the advantage of a rich and easily accessible supply of plant and animal forms for laboratory and field study.

On the second floor of this building are also located the Faculty room, the Registrar's office and the lecture room used by the department of American History and Politics.

#### GYMNASIUM.

The Gymnasium Building, erected in 1901, has an excellent equipment and is itself one of the best in the South. It is furnished with lockers for the use of the gymnasts, and has a bath room with tub, shower and spray baths.

On the second floor is the room used by the Young Men's Christian Association of the college.

The Gymnasium is under the control of the Physical Director, and a course in Physical Culture is required of all applicants for the teachers' diploma.

### LIBRARY.

The Library Building, made possible by the generosity of friends of the college, was completed in 1908. It contains twenty thousand volumes, many of them very rare. The building is of brick with stone trimmings, is eighty feet in length by thirty feet in breadth, with the stack room on the north side. The interior is artistically finished and furnishings are of the latest improved style.

The Library is open for the use of the students six hours each day and two hours each night.

### INFIRMARY.

The college has a commodious and well-ventilated infirmary. So good is the health of the students, however, that the building is little used, except as an office for the college physician, and for meetings of the Board of Visitors. The college provides a physician and staple medicines, but will not assume the expense of nurses, consulting physicians, or surgical operations.

### EWELL AND TALIAFERRO BUILDINGS.

These dormitories are situated on the south side of the main thoroughfare leading to Jamestown and accommodate about eighty roomers. On the first floor of the Ewell is the diningroom, which seats all the students in the college boarding department.

### ATHLETIC GROUNDS.

The Athletic Field contains twenty-five acres, which lie back of the main building. It provides excellent facilities for outdoor sports. The baseball and football grounds have been recently enclosed by a close board fence, and a grandstand has been erected that will accommodate 600 people. This addition to athletics was due to the generosity of a close friend of the college, to whom we are very grateful. We are well represented

by a football eleven, a baseball nine, a track athletic team, a basketball five, and a tennis team, which are under the instruction and control of the Physical Director.

### **WATER, LIGHT AND HEAT.**

The college buildings are supplied with pure artesian water, distributed by pipes, and the dormitories are heated by steam. All buildings and grounds are lighted by electricity.

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## **Government.**

### **REGISTRATION.**

New students will present themselves, if possible, at the President's office at ten o'clock, on the opening day (September 16). Each new student will be referred to the Faculty Committee on Entrance, who will conduct the Entrance Examinations and assign him to the proper classes.

Each class is under the care of an advisory professor, who has charge of same during the entire college year and is ready to give advice and to assist in keeping each individual up to the standard required of the class.

### **CERTIFICATES OF GOOD CONDUCT.**

If the applicant for admission has been a student at any other incorporated institution, he should bring with him a certificate from such institution, or produce other satisfactory evidence of general good conduct.

### **RELIGIOUS INFLUENCE.**

The college is not under the control of any religious body, but the discipline is administered with the view to confirm integrity and maintain a sacred regard for truth. Religious exercises are held in chapel at 10:45 each morning, and the ministers of the several churches in the town are invited to officiate in turn.

### DISCIPLINE.

The discipline of the college is in the hands of the President and Faculty. Its object is to maintain regularity and order in the institution and to inculcate among the students the spirit of honor and the manners of gentlemen. At William and Mary, the "Honor System" had its beginning, and its spirit still prevails in such force that disorder and ungentlemanly conduct is rare in the student life. When, however, the Faculty finds it necessary to punish, probation, suspension, dropping from the roll and expulsion are resorted to, according to the gravity of the offense.

The Faculty believes that it is a duty which they owe to parents to advise and insist upon the withdrawal of all students not profiting by their stay at college; and when a non-resident student is permitted to withdraw, or is suspended, it is upon condition that he forthwith leave the vicinity and go home. Until he fulfills this condition, he remains subject to the authority of the institution and may be expelled. In every case of discipline by the Faculty, the student's parent or guardian is informed of the action.

Hazing or subjecting the students to any kind of humiliating treatment is strictly forbidden and renders the offender liable to expulsion. Ungentlemanly conduct of any sort, such as swearing or using indecent language, using intoxicating liquors or gambling, when it comes to the knowledge of the Faculty, will be severely dealt with. Moreover, it is against the laws of the college for students to play cards in their rooms, fraternity-houses or college buildings; to visit pool-rooms; to keep fire-arms, or to deface or injure the walls, furniture or property of any sort belonging to the college. Nor shall any student go further than eight miles from the college without the consent of the President, or in his absence, of the Dean.

### DROPPING FROM THE ROLL.

At the regular mid-winter and spring examinations, students who have failed to make sufficient progress to enable them to pass on, an equivalent of five degree points, if collegiate, or five

weekly lecture periods, if sub-collegiate, or who absent themselves from two examinations, except upon a physician's certificate, will be dropped from the roll of the institution.

### APPOINTMENT OF STATE STUDENTS.

EVERY SUPERINTENDENT OF SCHOOLS in the State is empowered by law to nominate as many students as his county or city has representatives in the House of Delegates, provided that every county or city shall be entitled to at least one student. The nomination must contain an endorsement by the Superintendent as to the moral character, ability, age, and the general fitness of the applicant to profit by a course of instruction in the college.

UNDER THE PROVISIONS OF THE LAW requiring the Board of Visitors to prescribe rules for the examination and selection of the pupils applying for instruction as teachers, all persons nominated by the State Superintendents are required to pass a satisfactory examination before the Faculty on the common school branches. And as the scholarships are granted for the purpose of qualifying young men to teach in the public schools, they may at any time be forfeited by negligence, disorderly conduct, or failure to make proper progress, or for any other reason justifying the Faculty in concluding that the student cannot be safely trusted with a school. They are special privileges which must be deserved, and shall not be enjoyed by the incompetent.

SUPERINTENDENTS OF SCHOOLS are asked to nominate all proper applicants, without reference to whether the quota is supplied or not. The Board of Visitors are required by law to fill from the State at large all vacancies, and they wish to have as many young men as possible to enjoy the advantages offered by the college.

SUPERINTENDENTS OF SCHOOLS, however, should take care not to give a recommendation to any applicant who is not sufficiently prepared on the common school branches, and who is not honestly determined to fulfill his pledge to the State.

ALL STATE STUDENTS are required to sign the following pledge:

## TEACHERS' PLEDGE.

*In consideration of receipt from the State of Virginia of Free Tuition in the Teachers' Courses and other advantages incident to appointment as a State student of the College of William and Mary, and*

*In compliance with the requirements of law, I hereby pledge myself to teach in the public schools of Virginia for a period of two years.*

*Witness my hand,*

.....

## TEACHERS' CERTIFICATE.

According to the regulations of the State Board of Education, a "professional certificate" will be issued without examination to any student who receives a teacher's diploma in this college. The certificate will continue in force seven years, and is renewable also without examination for a similar period, from time to time. Any student receiving an A. B. degree at this institution will receive a "professional certificate," entitling him to teach ten years in the public schools, and renewable, like a professional certificate, from time to time, for a like period.

## BUREAU OF RECOMMENDATIONS.

The college maintains a bureau, composed of a committee of the Faculty, to help alumni to find positions as teachers. Applications should be made to H. L. Bridges, Registrar, Williamsburg, Va.

## EXAMINATIONS.

Two examinations of each class are held during the session, and every student is required to stand them. The first, called the Intermediate, is held in January, and the last is held in the closing month of the session. The examinations are con-

ducted in writing. An average of seventy-five per cent. passes the student, provided his class standing and attendance during the session are satisfactory to the professor. No student who is in arrears to the College for board or fees shall receive any diploma or degree.

### CREDITS.

The College year consists of two terms, or half sessions, and the courses run one term, though a professor may continue his subject into the second term. Upon satisfactorily completing a course for a term, the student receives credits based upon the number of hours per week in the lecture-room. Three-hour courses, two-hour courses, and one-hour courses are offered, entitling the student who attends them satisfactorily to three credits, two credits, and one credit respectively, except that two laboratory hours give one credit.

### REPORTS.

Reports showing the standing of every student in his classes are rendered three times during the session. Postal cards containing absences from morning roll call and from classes are sent to parents monthly. The attention of parents is called to these reports, and admonition in proper cases should be given by them to their sons, as parental authority is a valuable adjunct to the discipline and success of a college.

### WORK IN ABSENTIA FOR A. B. OR B. S.

Work done at other colleges of reputable standing will be given equivalent credits and after thirty credits are obtained at this or any other college, thirty credits may be done privately. No degree, however, will be granted to any one who has not done thirty credits in residence at this institution.

## Entrance Requirements.

The College of William and Mary maintains several *Courses for Teachers* in addition to the regular college courses. The entrance requirements for these Teachers' Courses are different from those for the college courses, and are found on page 57.

The requirements for entrance to the college courses are given below :

### GENERAL REQUIREMENTS.

- I. AGE.—The applicant must be at least 16 years of age.
- II. CHARACTER.—He must present a certificate of honorable discharge from the last school attended.
- III. PREPARATION.—He must present a certificate from a reputable school showing adequate preparation on the subjects outlined in "Entrance Examinations," or stand said examinations.

For full admission to the first year of the college courses, the candidate must present fourteen units, a unit representing a full year's work of five forty-minute periods per week. Among the fourteen units offered for entrance to either the Bachelor of Arts or the Bachelor of Science courses, *three* must be in English, *three* in Mathematics, and *one* in History. Candidates for the degree of Bachelor of Arts must offer an additional *three* units in Latin, and candidates for the degree of Bachelor of Science must present *one* unit in Science and *two* units either in Latin or in Modern Languages. The other *four* units may be selected from the optional subjects given below. The following table shows the required and the optional subjects that may be presented for entrance, and their values :

SUBJECTS.	TOPIC.	UNITS	
English A.....	English Grammar and Analysis (required).....	I	
English B.....	Composition and Rhetoric (required).....	I	
English C.....	Literature (required) .....	I	
Mathematics A.....	Algebra to Quadratics (required) .....	I	
Mathematics B.....	Quadratics, Progression, Binomials, etc. (required)	I	
Mathematics C.....	Plane Geometry (required).....	I	
Mathematics D.....	Solid Geometry (optional) .....	½	
Mathematics E.....	Plane Trigonometry (optional).....	½	
Latin A.....	Grammar and Composition (required for A. B.)...	I	
Latin B.....	Cæsar—4 Books (required for A. B.).....	I	
Latin C.....	Cicero—6 Orations (required for A. B.).....	I	
Latin D.....	Virgil—6 Books (optional).....	I	
History A.....	General History.....	} One unit required. Two others may be presented.	I
History B.....	Greek and Roman.....		I
History C.....	English History .....		I
History D.....	American History & Civil Gov. }		I
Science A.....	Physiography.....	} One unit required for B. S. Three may be presented for A. B. or B. S.	I
Science B.....	Elements of Physics.....		I
Science C.....	Elements of Chemistry.....		I
Science D.....	Botany, Zoology and Physiology }		I
Science E.....	Mechanical Drawing.....		½
German A.....	Grammar and Composition (optional).....	I	
German B.....	Reading and Exercises (optional).....	I	
French A.....	Grammar and Composition (optional) .....	I	
French B.....	Reading and Exercises (optional).....	I	
Spanish.....	Grammar and Composition (optional).....	I	
Greek A.....	Grammar and Composition (optional).....	I	
Greek B.....	Xenophon's Anabasis—4 Books (optional).....	I	

### CONDITIONED STUDENTS.

A student who cannot present the fourteen units as required may be admitted on ten units, provided arrangements are made to make up the remaining four units during the first two years of his college work. At least six of the ten units presented must be from the list of those required for entrance to the A. B. or B. S. courses (page 28), i. e., four and not more than four of the units presented may be selected from the list of optionals given above.

Conditioned students may enter the classes in the teachers' courses that are given at this college, and make up their deficiencies without the payment of extra fees.

### **SPECIAL WORK.**

Young men desiring to enter upon a course for one of the degrees and who are not prepared to do so, may attend such classes in the first two years of the teachers' courses as will fit them for entrance to the college. Such work will be allowed no credit in estimating for the degree; and no one under fifteen years of age will be permitted to enter these classes in the teachers' courses. (See page 57.)

### **ENTRANCE EXAMINATIONS.**

Candidates for admission to the college must pass the Entrance Examinations in the subjects covering the required number of units or must present a certificate signed by the principal of a standard high school, or other institution of equal rank, showing adequate preparation on the required subjects.

### **ADMISSION TO ADVANCED STANDING.**

Matriculates presenting certificates or diplomas from reputable colleges or from normal schools will be given such credits as the professors directly concerned shall, after consultation with the Faculty, deem proper, subject to the conditions on which degrees are conferred by this college; and, as far as possible, the student will be saved time in the attainment of the desired degree.

### **DEFINITION OF THE UNITS IN THE REQUIREMENTS FOR ENTRANCE.**

*English A.* English Grammar and Composition.—Thorough knowledge of the parts of speech, their inflections and their uses; syntax and logical analysis; ability to write correct English upon familiar topics, with correct use of capitals and punctuation marks. Mother Tongue (Book II.) and Baskerville and Sewell's advanced book recommended to prepare students, (One unit.)

*English B. Composition and Rhetoric.*—With special stress laid upon spelling, punctuation, and capitalization. Attention to the errors in the use of English. Exercises in writing and composition. Some knowledge of the history of the language, and fundamental questions of rhetoric. Genung's Outlines of Rhetoric studied very carefully. (One unit.)

*English C. Literature.*—(1) Critical study of some popular author such as Poe, Tennyson, or Longfellow. Selected novels of Scott, Dickens, or some other standard authors, required to be read. (2) Thorough study of a good manual of English or American literature, with parallel reading. Four plays of Shakespeare studied; four read as parallel. (One unit.)

*Mathematics A.* Algebra to Quadratic Equations. The four fundamental operations; factoring; highest common factor; lowest common multiple; fractions, simple and complex; ratio and proportion; equations, numerical and literal; problems; radicals, including square root; exponents, fractional and negative. (One unit.)

*Mathematics B.* Quadratic equations, Progressions, and the Binomial Theorem.—Quadratic equations, numerical and literal; equations with one or more unknown quantities; problems depending on quadratic equations; the binomial formula for positive integral exponents; arithmetical and geometrical progression, with applications. (One unit.)

*Mathematics C.* Plane Geometry, with exercises.—The usual theorems and constructions of a standard text-book. Solutions of original exercises, etc. (One unit.)

*Mathematics D.* Solid Geometry, with exercises.—The usual theorems and constructions of a standard text-book. Solution of original exercises, etc. (Half unit.)

*Mathematics E.* Plane Trigonometry.—The usual trigonometric functions; solution of trigonometric equations; theory and use of logarithms, etc. (Half unit.)

*Latin A.* Grammar and Composition.—The study of a standard text-book, with pronunciation; regular forms; cases; tenses; moods; rules, etc. Primer of Roman History. Translations into Latin and easy reading. (One unit.)

*Latin B.* Caesar, Four Books.—With a systematic study of Latin grammar; exercises based upon the text read. (One unit.)

*Latin C.* Cicero, Six Orations.—Grammar work and prose composition based upon the text read. (One unit.)

*Latin D.* Virgil, Six Books.—Latin versification as shown in the hexameter meter. Grammar work and selected exercises in composition. (One unit.)

*History A.* General History.—Including a study of feudalism, papacy, Germano-Roman empire; formation of France; Crusades; Renaissance; Protestant Reformation; French Revolution, etc. (One unit.)

*History B.* Greek and Roman.—Including the geography of the countries studied and the development of the empires; wars; invasions; legends; transitions; etc. (One unit.)

*History C.* English History, from the early British settlements down to the present. (One unit.)

*History D.* American History and Civil Government.—From the earliest discoveries and settlements to the present. Special emphasis upon the causes and results of the leading wars. Changes begotten by the Revolution. Political and economic problems; political parties; foreign relations, etc. (One unit.)

*Science A.* Physiography.—An elementary knowledge of the subjects taught in "Tarr's Elementary Physical Geography," "Maury's Physical Geography," or other text of equal value. (One unit.)

*Science B.* Elementary Physics.—A knowledge of the subject as taught in Millikan and Gale, Carhart and Chute, or other standard text. The student's note book of written reports of experiments should be presented, showing acceptance on the part of his teacher. Any one of the standard texts and manuals may be followed. (One unit.)

*Science C.* Elementary Chemistry.—The candidate for entrance credit should be able to show that he has studied for at least one full session, under a competent teacher, some standard text-book on inorganic chemistry and used a laboratory manual. (One unit.)

*Science D.* Botany, Zoology and Physiology.—The entrance requirements pre-supposes such sound elementary knowledge of plants, animals and human physiology, respectively, as may be regarded as representing one-half year's or one whole year's work in each subject from a standard text. Laboratory notebooks should be presented when laboratory work has been done. (Half unit each, or one unit each.)

*Science E.* Mechanical Drawing.—Projections of geometric figures; changes of position; relative sizes and positions; distances from given points, etc. (Half unit.)

*German A.* Grammar and Composition.—One full session's work in declensions; conjugations; uses and meanings of articles; pronouns; cases; tenses; moods and general rules governing arrangement of sentences; word functions; translations into English and German. (One unit.)

*German B.* Translations.—Reading of from 500 to 600 pages of German, made up of easy stories, plays, prose and poetry. (One unit.)

*French A.* Grammar and Composition.—One session's work including a mastery of the principles of grammar, regular and irregular verbs. (One unit.)

*French B.* Translations.—About 500 pages of reading with continued drill in grammar. Exercises in dictation and conversation. Written exercises in French composition. (One unit.)

*Spanish.* Grammar and Composition, with Translations.—A thorough study of pronunciation. Composition with easy reading. (One unit.)

*Greek A.* Grammar and Composition.—The common forms, idioms, inflections; syntax; easy translations, etc. (One unit.)

*Greek B.* Xenophon's Anabasis.—Six books. (One unit.)

## Expenses.

The expenses of the college are unusually light, since the college fees are small and living in Williamsburg is remarkably cheap. The life of the college, though full of activities in which, if he wishes, the student may take part, is yet free from the expensive habits current at so many of our colleges. This reduction of expenses to the normal students of William and Mary is made possible by the desire of the Commonwealth to develop a body of men trained for and interested in its greatest responsibility—the education of its children. Hence the special conditions that make it possible for the college to offer courses of a high grade of excellence at a minimum cost.

### FEES.

The fees of the college are as follows: Matriculation fee, \$5.00; tuition fee, \$35.00; gymnasium fee, \$5.00; medical fee, \$3.00. Of the tuition fee, \$17.50 must be paid on entrance and \$17.50 on the 1st of February; all other fees must be paid in full on entrance. The tuition fee is not required of those who hold State scholarships.

### BOARD.

Board is furnished at the college boarding house, including fuel, lights, laundry, attendance, and use of the furniture in the rooms, at \$14.00 per month for regular students, and at \$12.00 per month for those holding State scholarships.

State students are given the preference at the college boarding department, and should there not be room to accommodate all other students who apply, they can secure board in desirable places in the town at about the same rate as charged at the college.

### ROOM RENT.

The charge for room rent at the college dormitories is \$1.00 per month, payable at the beginning of each month.

**BEDDING AND FURNITURE.**

Each room in the college boarding house is equipped with a table, washstand, chairs, bedstead, mattress and bed-clothing. Students are required to furnish their own soap and towels, and are advised to bring extra bed-clothing.

**BOOKS.**

The cost of books per session depends somewhat on the classes to which the student is assigned, but will hardly be less than \$8.00 and should not exceed \$15.00.

**CONTINGENT FUND.**

Every student, on entering, is required to deposit with the treasurer the sum of three dollars, to be entered to his credit as a contingent fund, out of which shall be taken his apportioned share of the cost of any damage, beyond ordinary wear and tear, done to the college property by students. If no such charges are entered against him, the whole amount will be returned at the end of the session. For damage to property, accompanied by bad conduct, the whole contingent deposit may be forfeited.

**STATE SCHOLARSHIP.**

The college of William and Mary offers 132 scholarships to young men who wish to prepare themselves to teach in the public schools of Virginia. These appointments can be secured by applying to the superintendents of schools in the counties or cities and entitle the holders to free tuition and board at reduced rates at the college boarding house.

These students are required to take the subjects embraced in one of the teachers' courses outlined on pages 57-60.

After completing a teachers' course they may apply for one of the college degrees, (A. B.; B. S.; or A. M.,) on the same terms as the State students.

**MINISTERIAL STUDENTS.**

Students furnishing satisfactory evidence of their intention and fitness to enter the ministry are not required to pay tuition fees.

**REDUCTIONS.**

No reduction of the college fees will be allowed for any reason and no reduction of board for a period less than a month. This rule applies to absences at Christmas and to sickness, to withdrawal from college, or to dismissal therefrom.

Students found in arrears for board or fees will be dropped from the roll after reasonable notice.

**ESTIMATE.**

The following is an estimate of the necessary expenses of the students:

**For State Students.**

Board, including fuel, lights, laundry, attendance, and use of the furniture in the room (payable at the beginning of each month)	
\$12.00 per month, .....	\$108 00
Room Rent, (\$1.00 payable each month), .....	9 00
Matriculation fee, payable on entrance, .....	5 00
Gymnasium fee, payable on entrance .....	5 00
Medical fee, payable on entrance, .....	3 00
Contingent fee, returnable if no damage is done, .....	3 00
<hr/>	
Total cost per session of nine months,.....	\$133 00
Amount payable on entrance,.....	\$29 00

**For Students Not Holding State Scholarships.**

Board, including fuel, lights, laundry, attendance, and use of the furniture in room, (payable at beginning of each month, \$14.00 per month), .....	\$126 00
Room rent, (\$1.00 payable each month), .....	9 00
Tuition fee, half payable on entrance and half February 1st, ....	35 00
Matriculation fee, payable on entrance, .....	5 00
Gymnasium fee, payable on entrance, .....	5 00
Medical fee, payable on entrance, .....	3 00
Contingent fee, returnable if no damage is done, .....	3 00
<hr/>	
Total cost per session of nine months,.....	\$186 00
Amount payable on entrance, .....	\$48 50

**INCIDENTALS.**

We cannot undertake to formulate the exact cost to students for clothing, travel and incidentals. These are governed largely by the habits of each individual. We endeavor to cultivate fru-

gality and to protect the student from temptations. The size of Williamsburg aids materially in this matter by not subjecting the young man to the temptations of a large city. The demands for extra money being small, the parent is advised to furnish only a limited sum.

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## Honors and Degrees.

### COLLEGIATE DEGREES.

The degrees offered are Bachelor of Arts (A. B.), Bachelor of Science (B. S.), and Master of Arts (A. M.). All applicants for these degrees are expected to take fifteen hours a week, unless otherwise permitted by the Faculty.

### BACHELOR OF ARTS.

This is the time-honored degree of the college, and is essentially a culture degree. To enter upon the courses leading to A. B., the student must fulfill the requirements as enumerated under "Entrance Requirements," on pages 28 to 30.

To attain the degree of Bachelor of Arts, the student must make one hundred and twenty (120) credits, at least sixty of which must be in the higher group. The following eighty (80) credits must be taken by all candidates for A. B.: (1) Latin, 12; (2) English, 14; (3) History, 6; (4) Greek, Modern Languages, or both, 12; (5) Logic, 2; (6) Ethics, 2; (7) Psychology, 6; (8) Mathematics, 6; (9) Economics, 2; (10) Politics, 3; (11) Chemistry and Physics, 10; (13) Biology, 5. Of the forty (40) credits remaining necessary for the degree, not more than twenty (20) shall be taken in Science, Mathematics, Art Appreciation and Modern Languages.

A graduating thesis is required of all candidates for the degree of Bachelor of Arts.

### BACHELOR OF SCIENCE.

The entrance requirements of this are the same as for A. B., except that a year of Science is required in addition, and

the language requirement is two year's work in Latin or two year's work in Modern Languages.

To attain this degree, the student must make one hundred and twenty (120) credits, at least sixty (60) of which must be in the higher group. The following eighty (80) credits must be taken by all candidates for this degree: (1) English, 8; (2) History, 4; including course IV. in History; (3) Modern Languages, 12; (4) Economics, 2; (5) Politics, 2; (6) Chemistry, 10; (7) Physics, 10; (8) Biology, 13; (9) Mathematics, 11; (10) Logic, 2; (11) Psychology, 6.

In addition to the above eighty (80) required credits, the students shall elect forty (40) additional credits; and of these forty (40) credits, twenty (20) shall be in Science, Mathematics, Drawing and Manual Arts, and Modern Languages.

A graduating thesis is required of all applicants for the degree of Bachelor of Science.

#### MASTER OF ARTS.

The degree of Master of Arts rests upon A. B. as a basis, and requires twenty-five credits more and a graduating thesis of the value of five credits. All of these twenty-five credits must be taken from the higher group, and must be taken in subjects already studied in the A. B. course.

#### COLLEGE SCHOLARSHIPS.

There are various scholarships established in the college. Five of the number, known from their founders—the Corcoran, Soutter, Chancellor, Graves, and Bennett scholarships—are conferred every year in recognition of general merit. They entitle the student to \$35, which is the amount of tuition fee. There are also two scholarships founded by Mr. R. M. Hughes, of Norfolk; one called the James Barron Hope Scholarship, awarded for the best poem in the college *Magazine*; the other called the Pi Kappa Alpha Scholarship, awarded to some member of the Pi Kappa Alpha fraternity for the best translation published in the *Magazine*. In addition to these, the Faculty offers a scholarship of the value of the tuition fee

(\$35.) to each public high school for whites at Hampton, Newport News, Norfolk, Portsmouth, Richmond, Petersburg, Lynchburg, Staunton, Roanoke and Bristol, Williamsburg and Toano.

#### WILLIAM BARTON ROGERS SCHOLARSHIP.

This scholarship was established very recently by the Massachusetts Institute of Technology in memory of William Barton Rogers, founder of the Institute, and former student and professor at the college of William and Mary. The value is \$300, and it will be awarded by the Faculty to some student of this institution who shall have taken sufficiently advanced work for entering the Institute of Technology with advantage. This scholarship is good for four years, unless forfeited.

## Courses of Study.

### COLLEGE DEPARTMENT.

- |                                    |                     |
|------------------------------------|---------------------|
| 1 Economics.                       | 10 Botany.          |
| 2 Political Science.               | 11 Agriculture.     |
| 3 English Language and Literature. | 12 Zoology.         |
| 4 United States History.           | 13 Drawing.         |
| 5 Mathematics.                     | 14 Manual Arts.     |
| 6 Chemistry.                       | 15 Physics.         |
| 7 Greek.                           | 16 Philosophy.      |
| 8 Modern Languages.                | 17 Education.       |
| 9 Latin.                           | 18 General History. |

### GROUPS OF STUDIES.

The courses of the college are divided into a lower and an upper group. The following courses constitute the lower group:—

- Economics, Course I., (see page 41).
- English, Courses I., II., V., (see page 42).
- History, Courses III. and V., (see page 40).
- Mathematics, Courses I. and II., (see page 43).
- Physics, Courses I. and II., (see page 39).
- Chemistry, Courses I. and II., (see page 44).
- Greek, Courses I., and II., (see page 45).
- German, Courses I., and II., (see page 46).
- French, Courses I., and II., (see page 46).
- Botany, Course I., (see page 47).
- Zoology, Course I., (see page 46).
- Drawing, Courses I. and II., (see page 48).
- Manual Arts, Courses I. and II., (see page 49).
- Education, Courses I., II., III., IV., V., (see pages 52-53).
- Philosophy, Courses I. and II., (see page 51).
- Latin, Courses I. and II., (see page 50).

All courses not in the above list are in the higher group.

## Collegiate Courses in Detail.

### ECONOMICS.

PROFESSOR TYLER.

ASSISTANT, H. L. BRIDGES.

*Course I.*—The study begins with the history of the science and a rapid survey of the field. Then follows a discussion of Value as the subject matter. Next the elements in its production—land, labor and capital. The question of rent, wages, interest, money, taxes, credit are afterwards taken up, and in illustration of these and other usual topics of the science practical questions of the hour are introduced and discussed. Two hours a week; second term; 2 credits.

### POLITICAL SCIENCE.

PROFESSOR TYLER.

*Course I.*—The study of the American colonial institutions, and of the constitutions and administrative systems of the States and Federal Government, pursued through lectures. Two hours a week; first term; 2 credits.

*Course II.*—A study of English institutions from the first beginnings to the present time, pursued through text-books and lectures. Two hours a week; first term; 2 credits. (Prerequisite History III.)

*Course III.*—*International Law.*—An inquiry into the nature, sources and sanctions of International Law and an outline study of its growth, with emphasis upon its modern development. The application of the law to questions in American history is made a prominent feature. Two hours a week; second term; 2 credits. (Prerequisite Course I.)

## ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR HALL.

ASSOCIATE PROFESSOR WILSON.

INSTRUCTOR, S. J. WILLIAMS.

*Course I.*—The study of words; the poetry, the history, the moral lessons, in words. Two hours a week; 1st term, 2 credits.

*Course II.*—Study of several great *Epics* of the world, especially such as are most closely connected with English literature. Parallel reading in translations of the *Aeneid*, the *Iliad*, the *Odyssey*, and *Beowulf*. Two hours a week; 1st term; 2 credits.

*Course III.*—History of the English language, from the Anglo-Saxon period to the present time. Two hours a week; 2nd term; 2 credits.

*Course IV.*—Analytical study of *Romeo and Juliet*; parallel reading in the Elizabethan drama. Essays based upon the work in class. Two hours a week; 2nd term; 2 credits.

*Course V.*—Advanced Rhetoric, with frequent themes, and praxis work; metrics. (High school Rhetoric a prerequisite.) Two hours a week; 1st term; 2 credits. (This course is required for all degrees.)

*Course VI.*—Anglo-Saxon begun; historical English grammar; etymology; study of words and history of the language continued. (Prerequisite: Courses I. and III.) Two hours a week; 1st term; 2 credits.

*Course VII.*—Continuation of Course VI. Fifty pages of Anglo-Saxon read, with special reference to the light thrown by that study upon the vocabulary, the structure, and the grammar of modern English. Two hours a week; 2nd term; 2 credits.

*Course VIII.*—Morphology of the English language; comparison of English with other languages of the Indo-European family; phonetic change; word-making; methods by which language grows. (Prerequisite: I., III., VI. and VII.) Two hours a week; 1st term; 2 credits.

*Course IX.*—The Forms of English Verse, with parallel reading and critical essays on the ode, the sonnet, the ballad, the lyric, etc. Two hours a week; 2nd term; 2 credits.

*Course X.\**—Beowulf (Harrison & Sharp's text). This course is offered for those who have finished VI. and VII. and wish to continue the study of Anglo-Saxon poetry. Two hours a week; both terms; 4 credits.

Graduates of accredited high schools and academies must take four hours a week in Courses I.-V.

By resolution of the Faculty, the English department has to take cognizance of the student's use of English, both in conversation, in the lecture-room, and in public speaking, and the higher credits will not be granted any one noticeably deficient in his use of English.

## MATHEMATICS.

PROFESSOR STUBBS.

ADJUNCT PROFESSOR JOHN TYLER.

*Course I.*—Solid Geometry; two hours a week; 1st term; 2 credits.

*Course II.*—Advanced Algebra; one hour a week; both terms; 2 credits.

*Course III.*—Plane Trigonometry; two hours a week; 2nd term; 2 credits.

*Course IV.*—Spherical Trigonometry; two hours a week; 1st term; 2 credits.

*Course V.*—Analytical Geometry; three hours a week; 2nd term; 3 credits.

*Course VI.*—Differential Calculus; three hours a week; 1st term; 3 credits.

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\* Given if desired.

*Course VII.*—Integral Calculus; three hours a week; 1st term; 3 credits.

*Course VIII.*—Descriptive Geometry; three hours a week; one term; 3 credits.

*Course IX.*—Mechanics; three hours a week; one term; 3 credits.

The last two subjects will be given in alternate years.

## CHEMISTRY.

PROFESSOR GARRETT.

INSTRUCTOR, C. T. BLACKMORE.

*Course I.*—General Inorganic Chemistry with Laboratory work. Descriptive and experimental lectures, recitations and Problems; 3 lectures and 2 laboratory periods per week; 1st term; 5 credits.

*Course II.*—This course is a continuation of Course I., with a brief introduction to Organic Chemistry; 3 lectures and 2 laboratory periods per week; 2nd term; 5 credits.

Courses I. and II. together give a general survey of the subject of Chemistry. Course I. is required for the A. B. degree.

*Course III.*—Qualitative chemical analysis—(basis and acid). 3 laboratory periods per week; 1st term; 3 credits.

*Course IV.*—Elementary quantitative chemical analysis—gravimetric and volumetric; 3 laboratory periods per week; 2nd term; 3 credits. Prerequisites: Courses I., II., III.

*Course V.*—Organic Chemistry; 3 laboratory periods per week; 1st term; 3 credits. Prerequisites: Courses I. and II.

*Course VI.*—Physiological Chemistry; 3 laboratory periods per week; 2nd term; 3 credits. Prerequisites: Courses I. to V.

## GREEK.

PROFESSOR BISHOP.

ASSOCIATE PROFESSOR MONTGOMERY.

ADJUNCT PROFESSOR LOUTHAN.

*Courses I. and II.*—Atherton and Gleason's *First Greek Book*. Three hours a week; both terms; 6 credits.

*Course III.*—The Story of Cyrus (Gleason); Hadley-Allen's Grammar; Woodruff's Greek Prose Composition. Parallel. Three hours a week; 1st term; 3 credits.

*Course IV.*—Orations of Lysias (Adams); Hadley-Allen's Grammar; Woodruff's Greek Prose Composition. Parallel. Three hours a week; 2nd term; 3 credits.

In Courses I. and II. the chief aim is to equip the student with a thorough and accurate knowledge of the forms, together with an accurate general knowledge of the syntax.

*Course V.*—Homer's Iliad or Odyssey; Hadley-Allen's Grammar; Goodwin's Moods and Tenses; Capps' "From Homer to Theocritus;" Allinson's Greek Prose Composition. Parallel. Three hours a week; 1st term; 3 credits.

*Course VI.*—Demosthenes' Orations against Philip; Plato's Euthyphro; Hadley-Allen's Grammar; Goodwin's Moods and Tenses; Capps' "From Homer to Theocritus;" Allinson's Greek Prose Composition; original exercises based on the parallel. Parallel (Demosthenes). Three hours a week; 2nd term; 3 credits.

*Course VII.*—Plato's Apology; Thucydides; Hadley-Allen's Grammar; Goodwin's Moods and Tenses; Fowler's History of Greek Literature; original exercises. Parallel. Three hours a week; 1st term; 3 credits.

*Course VIII.*—Euripides' Ion; Sophocles' Oedipus; Aeschylus' Prometheus Bound; Hadley-Allen's Grammar; Goodwin's Moods and Tenses; Fowler's History of Greek Literature; original exercises. Parallel. Metrical written work. Three hours a week; 2nd term; 3 credits.

## FRENCH.

PROFESSOR BISHOP.

*Course III.\**—Fraser and Squair's French Grammar; Molière's *Bourgeois Gentilhomme*; Parallel (Molière and Victor Hugo). Kastner and Atkins' History of the French Literature; weekly original exercises based on the lives and writings of the authors studied. Three hours a week; 1st term; 3 credits.

*Course IV.*—Fraser and Squair's French Grammar; Corneille's *Le Cid*; *Histoire de Charles XII.* (Voltaire); Kastner and Atkins' History of French Literature; weekly original exercises as in Course I. Parallel. Three hours a week; 2nd term; 3 credits.

## GERMAN.

PROFESSOR BISHOP.

*Course I.*—Kayser and Montaser's Course; weekly written exercises. Three hours a week; 1st term; 3 credits.

*Course II.*—Kayser and Montaser's Course; Glück-Auf; weekly written exercises. Parallel. Three hours a week; 2nd term; 3 credits.

*Course III.*—Kayser and Montaser's Course; Schiller's *Wilhelm Tell* or Lessing's *Minna von Barnhelm*; Moore's History of the German Literature; weekly original exercises. Parallel. (Schiller and Heine.) Three hours a week; 1st term; 3 credits.

*Course IV.*—Kayser and Montaser's Course; Goethe's *Faust*, alternating with *Reineke Fuchs*; Moore's History of the German Literature; weekly original exercises. Parallel Goethe and Heine). Three hours a week; 2nd term; 3 credits.

## ZOOLOGY.

PROFESSOR RITCHIE.

ASSISTANT, E. L. B. GOODWIN.

*Course I.—Elementary Human Physiology.*—The fundamentals of human physiology with the anatomy and histology neces-

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\* There are two beginner's courses in French which count college credits.

sary to a clear understanding of the physiological processes discussed. A knowledge of high school physiology is pre-supposed. Lectures, 3 hours; laboratory, 4 hours; 1st term; 5 credits.

*Course II.—Elementary Zoology.*—A general course in Zoology, covering the great groups of the animal kingdom as thoroughly as time will permit. Lectures, 3 hours; laboratory, 4 hours; 2nd term; 5 credits

*Course III.—Histological Technique.*—The preparation of objects for microscopic examination. Laboratory, 4 hours; 1st term; 2 credits. Prerequisite: Zoology I or Botany I.

*Course IV.—Animal Histology.*—Lectures, 1 hour; laboratory, 4 hours; 1st term; 3 credits. Prerequisite: Zoology I. or Botany I.

*Course V.—Advanced Physiology.*—Lectures, 2 hours; laboratory, 4 hours; 2nd term; 4 credits. Prerequisite: Zoology I and one other laboratory course in Biology; Physics I and II; Chemistry I and II and 60 credits of college work.

## BOTANY.

PROFESSOR RITCHIE.

ASSISTANT, E. L. B. GOODWIN.

*Course I.—Elementary Botany.*—A morphological study of the four great plant groups, along with the basic principles of plant physiology and ecology. Lectures, 3 hours; laboratory, 4 hours; 2nd term; 5 credits.

*Course II.—Plant Physiology and Agriculture.*—This course is intended to give scientific foundation for the study and teaching of physiological botany and agriculture. Lectures, 1 hour; laboratory, 4 hours; 2nd term; 3 credits. Prerequisite: Botany I, Chemistry I, and advisedly Physics I.

*Course III.—Morphology of Cryptogams.*—Lectures, 1 hour; laboratory, 4 hours; 1st term; 3 credits. Prerequisite: Botany I.

*Course IV.—Morphology of Spermatophytes.*—Lectures, 1 hour; laboratory, 4 hours; 2nd term; 3 credits. Prerequisite: Botany I.

*Course V.—Systematic Botany.*—Offered as an *in absentia* course. Any person who collects and identifies a stipulated number of plants may receive credit for the work done by presenting his collection at the college and giving proof of his ability to use a manual. The course is offered in order that students may use their vacations profitably and that non-residents may come in contact with the work of the college. Two or three credits will be given, according to the amount of work done.

*Course VI.—Bacteriology and Sanitation.*—The principles and technique of bacteriology and the practical application of bacteriological principles to preventive medicine. Laboratory practice with non-pathogenic and pathogenic forms. Lectures, 2 hours a week; laboratory, 4 hours a week; 1st term; 4 credits. Prerequisite: Zoology I and one other course in Biology. In this course the lectures may be taken without the laboratory.

Zoology I and II, and Botany I, II, V, and VI, are given every year, and other biological courses are given in alternate years. During 1909-10, Zoology IV and V, and Botany IV will be offered.

### DRAWING.

PROFESSOR CRAWFORD.

ASSISTANT PROFESSOR F. M. CRAWFORD.

*Course I.—Mechanical Drawing.*—(Laboratory Period.) This course serves as an introduction to the subject. It is devoted chiefly to the principles and practice of the working drawing, and prepares for work in the elementary school. Two hours a week; 1st term; 2 credits.

*Course II.—Blackboard Work.*—Rapid blackboard sketching, use of the blackboard in teaching. Type characteristics emphasized in drawing from nature, flowers, still life, animals, and figures. Memory sketches. Mediums, chalk, charcoal and crayon. Two hours a week; 2nd term; 2 credits.

*Course III.—Mechanical Drawing.*—An advanced course, involving analytical drawing and practical drafting, considered with special reference to the needs of high school work. Two hours a week; 1st term; 2 credits. (Laboratory Period.)

*Course IV.—Art Appreciation and History.*—One hour a week; 1st term; 1 credit.

*Course V.—Continuation of Course IV.*—General instruction in the history and principles of art, training of the appreciative faculties, art criticism. Illustration by lantern slides and photographs of the best examples of architecture, painting, sculpture design and handicraft. Parallel reading. One hour a week; 2nd term; 1 credit.\*

*Courses VI. and VII.—Constructive Design.*—An abridged course for the study of the principles of design with special reference to application in Handicraft. Problems are considered from the standpoint of function, structure, material, form and decoration. One laboratory period a week; both terms; 2 credits.

### MANUAL ARTS.

PROFESSOR CRAWFORD.

ASSISTANT PROFESSOR F. M. CRAWFORD.

*Courses I. and II.—Manual Training.*—Hand work for the Elementary Grades. Two Laboratory periods a week; 2 credits. Practical work and discussion of processes. This course deals with those forms of industrial work that are most practical and significant in the lower grades of the elementary school, before a separate laboratory is commonly available for such work, and aims to afford a comprehensive study of this field as related to the needs both of the special teacher and the regular grade teacher. Processes and projects are considered both in their relation to industry and to school conditions. A special study is made of the æsthetic possibilities of the work, and of its relation to the school curriculum. The work includes weaving, basketry, pottery and construction in paper, card-board, bent iron and wood.

*Courses III. and IV.—Wood Working for Secondary Schools.—Shop Work.*—Study of materials and methods of instruction. This course aims primarily at a training in the technical processes of wood-working as a basis for instruction in the

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\* All the courses in Drawing and Manual Arts count towards B. S., but only IV. and V. in this department count towards A. B.

elementary and secondary schools. An analysis of the action of cutting tools is made, and the introduction of tools in class use discussed. Methods of Manual Training instruction are studied at length, and the presentation of typical projects suitable for the upper grades is considered in detail. Two laboratory periods a week; both terms; 4 credits.

### LATIN.

PROFESSOR MONTGOMERY.

ASSOCIATE PROFESSOR BISHOP.

ADJUNCT PROFESSOR LOUTHAN.

*Courses I. and II.*—Six books of *Virgil's Aeneid*. Parallel Reading. Latin versification as shown in the hexameter metre. Grammar work and selected exercises in prose composition. Three hours a week; both terms; 6 credits.

*Course III.*—Books XXI. and XXII. of *Livy*. Parallel reading. Grammar work and prose composition based upon the text read. Three hours a week; 1st term; 3 credits.

*Course IV.*—The Odes and Epodes of Horace. Parallel reading. Latin versification as shown in the Horatian metres. Grammar work and selected exercises in prose composition. Three hours a week; 2nd term; 3 credits.

*Course V.*—*The Germania* and *Agricola* and selections from the *Annals* of *Tacitus*. Parallel reading upon the history and literature of the early Empire. Selected exercises in prose composition. Three hours a week; 1st term; 3 credits.

*Course VI.*—*The Captivi* *Mostellaria*, and *Trinummus* of Plautus; the *Andria*, and *Self-Tormentor* of Terence. Sight-reading. Parallel reading upon the Roman stage. Selected exercises in prose composition. Introduction to Inscriptional, Early and Popular Latin. Three hours a week; 2nd term; 3 credits.

## PSYCHOLOGY AND PHILOSOPHY.

PROFESSOR BENNETT.

ADJUNCT PROFESSOR FERGUSON.

*Course I.—Psychology.*—General elementary psychology regarded mainly from the physiological and functional standpoints. Lectures, library work and experiments. Three hours a week; 1st term; 3 credits.

*Course II.—Psychology.*—Continuation of Course I. Three hours a week; 2nd term; 3 credits.

*Course III.—Genetic Psychology.*—A study of the beginnings and development of intellect in animal and child life, the dominant activities at different stages of development and their educational significance. Two hours a week; 1st term; 2 credits. Courses I. and II. and some biology prerequisite.

*Course IV.—Child Study.*—Child psychology and physiology with direct reference to practical educational problems of school and home hygiene, fatigue, defects and abnormalities, and the normal unfolding of physical and intellectual powers and instincts with the educational adjustment appropriate thereto. Two hours a week; 2nd term; 2 credits. Courses I. and II. psychology prerequisite.

*Course V.—Logic.*—Deductive and inductive, with brief historic review and drill in practical application to analysis of arguments in current literature and daily studies. Two hours a week; 1st term; 2 credits. Courses I. and II. prerequisite.

*Course VI.—Ethics.*—Brief historic and evolutionary view of ethical theory, leading to a practical study of the applications of the subject to social conditions and daily life. Two hours a week; 2nd term; 2 credits. Courses I. and II. prerequisite.

*Course VII.—History of Philosophy.*—Ancient and Mediæval periods. Traces leading systems of thought in their development and relations to each other and to intellectual, social and political life, with parallel biographical study of great philosophers. Two hours a week; 1st term; 2 credits. Courses V. and VI. and three courses of history prerequisite.

*Course VIII.—History of Philosophy.*—Modern Period. Continuation of Course VII. with particular reference to present day problems and systems of thought. Two hours a week; 2nd term; 2 credits.

### EDUCATION.

PROFESSOR BENNETT.

ADJUNCT PROFESSOR FERGUSON.

*Course A.—Physical Geography.*—Studied both for its own content and as a correlation center for review of political geography, and for individual training in orthography and the skilful use of library and reference books. Systematic meteorological observations made, tabulated and graphed; field excursions, laboratory experiments, sand tables and other relief map work, frequent written exercises. It is the aim of this course to discover individual deficiencies in elementary training of students and, as far as possible, to remedy same in close co-operation with other departments of the college. Required of all State students unless proficiency is evident upon examination. Three hours a week; 1st term.

*Course B.*—Continuation of Course A. Three hours a week; 2nd term.

*Course C.—Principles and Methods of Teaching.*—Lectures, text and collateral studies with closely related observations at Practice School, and written reports and oral discussions thereof. Three hours a week; 1st term. Required of all State students.

*Course D.*—Continuation of Course C, with some attention to problems of management in small schools. Three hours a week; second term; required of all State students.

*Course I.—Psychology.*—Same as Course I., Philosophy, with the addition of closely related observation visits to Practice School and studies of practical application of psychological principles in teaching. Three hours a week; first term; 3 credits. Required of all State students.

*Course II.*—Continuation of Course I. Three hours a week; second term; 3 credits. Required of all State students.

*Course III.—School Systems.*—A brief historic survey of the more important ancient and modern systems, culminating in a study of the Virginia system. Collateral study of great educational reformers. Three hours a week; 1st term; 3 credits. This course or IX. and X. required of State students.

*Course IV.—School Management.*—Problems and principles of class-room management, grading, marking, records, reports, duties of principals, relations to pupils, patrons, superintendents, boards and communities. Lectures, Virginia School Law and other texts, actual use of blanks, collateral reading and studies in Practice School. Three hours a week; 2nd term; 3 credits. Required of State students.

*Course V.—Practice Teaching.*—Preparation of lesson plans and teaching classes in Practice School. One hour a day for ten weeks, at times in both terms to be arranged with individual students. Longer time will be required of students whose practice work is not satisfactory. Required of State students.

*Course VI.—School Supervision.*—Deals with the larger problems of school organization. Arranged and recommended especially for principals and superintendents. Course IV. or equivalent study and experience is prerequisite. Two hours a week; 2nd term; 2 credits.

*Course VII.—Moral Education.*—Efficient, vigorous, growing moral character considered as the ideal of education and a study of methods of teaching school subjects, class management, school organization, and direct ethical instruction of children, to attain this end. Adapted for teachers, principals and ministerial students. Two hours a week; 1st term; 2 credits.

*Course VIII.—Philosophy of Education.*—A study of psychological, biological and sociological aspects of education. For advanced students. Two hours a week; 2nd term; 2 credits.

*Course IX.—History of Education.*—Ancient and Mediæval periods and the Renaissance studied with reference to their meaning in and relation to present day education. Three hours a week; 1st term; 3 credits. General History prerequisite.

*Course X.—History of Education.*—Continuation of Course

IX. through the modern period with particular attention to present German, English and American systems. Three hours a week; 2nd term; 3 credits.

### PHYSICS.

PROFESSOR KEEBLE.

LABORATORY INSTRUCTOR, J. C. FREEMAN.

*Course I.*—An elementary course devoted chiefly to the study of Mechanics and Heat. Lectures, 3 hours per week; laboratory, 4 hours per week; 1st term; 5 credits.

*Course II.*—A continuation of Course I.; devoted chiefly to the study of Electricity, Sound and Light. Lectures, 3 hours per week; laboratory, 4 hours per week; 2nd term; 5 credits.

These two courses cover pretty thoroughly the ground usually included in a course in Elementary Physics, and should not be taken separately. A text-book is used by the class and, in addition, the student is required to perform about fifty well graded quantitative experiments in the laboratory.

No knowledge of physics is presupposed, but the student should have a working knowledge of Elementary Algebra, Plane Geometry and English composition. At least First and Second Year English are required.

*Course III.*—Mechanics and Heat. One lecture period and two laboratory periods per week; 1st term; 3 credits.

*Course IV.*—Electricity, Sound and Light. One lecture period and two laboratory periods per week; 2nd term; 3 credits.

Courses III. and IV. are more advanced than I. and II. The subject matter of these courses is of such character as is found in such text-books as Ames's General Physics, Watson's Physics, and Hastings and Beach's General Physics. Prerequisites, Courses I. and II., or their equivalent and a working knowledge of plane trigonometry.

**HISTORY.**

PROFESSORS TYLER AND WILSON.

*Course I.*—Greece and Rome; text-book and lectures, and parallel reading. Assigned work in library. Three hours a week; 1st term; 3 credits. (Professor Wilson.)

*Course II.*—Western Europe: Middle Ages and Development of Modern Europe. Text-book, lectures and parallel reading. Special topics for investigation. Three hours a week; 2nd term; 3 credits. (Professor Wilson.)

*Course III.*—History of England. Text-book, lectures and parallel reading. (Courses I. and II. prerequisite.) Two hours a week; 1st term; 2 credits. (Professor Wilson.)

*Course IV.*—History of the United States, advanced course. A general study from the Revolutionary era to the present, with special emphasis upon leading questions, such as education before and after the Revolution; Rise and Fall of Parties; the Bank Question; the Tariff Question; Internal Improvements; Territorial Annexations; Beginning, Growth, and Fall of Slavery; State Rights and Secession. Two hours a week; 2nd term; 2 credits. (Professor Tyler.)

*Course V.*—American History. An outline course in the study of the founding, development and growth of the United States. Text-book, lectures and parallel reading. Special reading in the library and investigations of individual subjects will be assigned. Three hours a week; 2nd term; 3 credits in lower group. (Professor Wilson.)

*Course VI.*—The Age of Elizabeth. Text-books, lectures and parallel reading. An advanced course with detailed study. (Prerequisite, Course III.) Two hours; 1st term; 2 credits. (Professor Wilson.)

*Course VII.*—Period of Renaissance and Reformation. Text-books, lectures and parallel reading. Advanced course for detailed study. (Prerequisite, Courses I. and II.) Two hours; 2nd term; 2 credits. (Professor Wilson.)

## Courses for Teachers.

### ENTRANCE REQUIREMENTS.

I. Age—The applicant must be at least 15 years of age.

II. Character—He must present a certificate of honorable discharge from the last school attended.

III. Must sign the pledge to teach two years in the public schools of Virginia, (see page 26).

IV. Must show ability to carry the work of the first year in the Teachers' Courses, (see page 57).

Every State student is required to take one of the prescribed Teachers' Courses and to pursue the subjects in the order assigned.

Credits may be given on entrance for equivalent high school work, but in such cases the student will usually be required to take, at the college, short Teachers' Reviews of subjects which he has not regularly studied here, but which he is expected to be prepared to teach. Such reviews will be organized from time to time with a view to insure thoroughness in subject-matter and familiarity with reference literature and best methods of instruction.

The prescribed courses have been planned, *first*, to afford the prospective teacher a thorough knowledge of the subjects included in the best modern public school curricula; *second*, not less than three full years' work in professional study and training in the fields of (a) principles of teaching, (b) general and special methods, (c) historic and modern school systems, (d) school laws, organization and management, (e) preservation and practice teaching; *third*, to allow the student to select, within well prescribed limits, and to pursue during the third and fourth years of his course certain groups of studies, thus securing special fitness and training to teach these subjects with success in secondary schools. This grouping of subjects gives rise to the following three courses, which are detailed on the following pages: (1) The Language and History Course, (2) the Science Course, (3) the Agricultural and Industrial Course.

The satisfactory completion of one of these courses entitles the student to a *Teachers' Diploma*, upon which will be granted a State *Professional Certificate* good for seven years and "renewable from time to time for a similar period on evidence satisfactory to the State board that the graduate has been a successful teacher and has satisfactorily completed the reading course prescribed by the State Board of Examiners."

All work of collegiate grade done in securing a *Teachers' Diploma* will be allowed full credit toward any college degree (A. B., B. S., or A. M.), and the special privileges of State students will be continued during the pursuance of such higher courses (see page (35)).

### LANGUAGE AND HISTORY COURSE.\*

#### First Year.

First Term.	Per week.	Second Term.	Per week.
Latin (Beginning) .....	5 hrs.	Latin (Continued) .....	5 hrs.
Mathematics (Arithmetic and Algebra) .....	5 hrs.	Mathematics (Algebra to Quadratics) .....	5 hrs.
English .....	4 hrs.	English .....	4 hrs.
Physical Geography (Education A) .....	3 hrs.	Physical Geography (Education B) .....	3 hrs.
Zoology .....	2 hrs.	Botany .....	2 hrs.
Drawing .....	2 hrs.	Drawing .....	2 hrs.
	<hr/> 21 hrs.		<hr/> 21 hrs.

#### Second Year.

Latin (Cæsar) .....	3 hrs.	Latin (Cæsar continued)...	3 hrs.
Mathematics (Algebra) ...	3 hrs.	Mathematics (Plane Geometry) .....	3 hrs.
English .....	4 hrs.	English .....	4 hrs.
Civics .....	2 hrs.	Civics and Virginia History .....	2 hrs.
Education C. (Principles and Method of teaching) .....	3 hrs.	Education D (Principles and Method of Teaching) ..	3 hrs.
General History .....	3 hrs.	General History .....	3 hrs.
Manual Arts .....	2 hrs.	Manual Arts .....	2 hrs.
Vocal Music .....	1 hr.	Vocal Music .....	1 hr.
	<hr/> 21 hrs.		<hr/> 21 hrs.

Physical Culture—Four periods per week from Nov. 1st to April 1st

\* GENERAL REQUIREMENTS—(a.) Sixty-four hours are required in the last two years. (b.) At least fifteen hours are required each term.

First Term.		Third Year.	Second Term.
English .....	2 hrs.	Drawing II. ....	2 hrs.
Latin (Cicero) .....	3 hrs.	English .....	2 hrs.
Mathematics I. ....	2 hrs.	Psychology (Education II),	3 hrs.
Psychology (Education I.)	3 hrs.	American History .....	3 hrs.
Physics I. (Lectures only)..	3 hrs.	Physics II (Lectures only),	3 hrs.
		Mathematics III. ....	2 hrs.
			<u>15 hrs.</u>
13 hrs.			
Elect one subject from the following:		Elect two subjects from the following:	
Mathematics II .....	1 hr.	Mathematics II. ....	1 hr.
History III. ....	2 hrs.	Latin (Virgil) .....	3 hrs.
German I. ....	3 hrs.	German II. ....	3 hrs.
French I. ....	3 hrs.	French II. ....	3 hrs.
Mechanical Drawing .....	2 hrs.	History .....	2 hrs.
Physics I. (Laboratory, 2 periods) .....	2 hrs.	Physics II. (Laboratory, 2 periods) .....	2 hrs.
Physical Culture—Four periods per week from Nov. 1st to April 1st			

Fourth Year.			
English .....	2 hrs.	English .....	2 hrs.
Education III. ....	3 hrs.	History IV. (Advanced American History) ....	2 hrs.
Political Science I .....	2 hrs.	Education IV. ....	3 hrs.
Physiology (Zoology I.)..	5 hrs.		<u>7 hrs.</u>
	12 hrs.		
Electives:		Electives:	
Latin III. ....	3 hrs.	Latin IV. ....	3 hrs.
History III. ....	2 hrs.	German II. or IV. ....	3 hrs.
German I. or III. ....	3 hrs.	French II. ....	3 hrs.
French I. ....	3 hrs.	History I. (Roman) ....	2 hrs.
Education .....	2 or 3 hrs.	Education .....	2 or 3 hrs.
English .....	2 hrs.	English .....	2 hrs.
		Botany I. ....	5 hrs.

Practice teaching is required of students in this year.

### SCIENCE COURSE.\*

#### First Year.

The work given in this year is the same as the first year's work in the Language and History Course.

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\* GENERAL REQUIREMENTS—(a.) Sixty-four hours are required in the last two years. (b.) At least fifteen hours are required each term.

**Second Year.**

The work given in this year is the same as the second year's work in the Language and History Course.

**Third Year.****First Term.**

English .....	2 hrs.
Mathematics I. ....	2 hrs.
Psychology (Education I.) .	3 hrs.
Physics I. (Lectures and Laboratory) .....	5 hrs.
Wood Working .....	3 hrs.

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 14 hrs.
**Electives:**

German I. ....	3 hrs.
French I. ....	3 hrs.
Mechanical Drawing ....	2 hrs.
History .....	3 hrs.
Latin (Cicero) .....	3 hrs.
Mathematics II. ....	1 hr.

**Second Term.**

English .....	2 hrs.
Psychology (Education II). .	3 hrs.
Wood Working .....	2 hrs.
Physics II. (Lectures and Laboratory) .....	5 hrs.
Drawing II. ....	2 hrs.
Mathematics III. ....	2 hrs.

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 16 hrs.
**Electives:**

Mathematics II. ....	1 hr.
German II. ....	3 hrs.
French II. ....	3 hrs.
Latin (Virgil) .....	3 hrs.
*Education IV. ....	3 hrs.
History .....	2 hrs.

\*Education may be elected here or the same course may be elected in the fourth year.

**Fourth Year.**

Education III. ....	3 hrs.
Physiology (Zoology I.) . .	5 hrs.
Chemistry I. (Lectures and Laboratory) .....	5 hrs.

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 13 hrs.
**Electives:**

Mechanical Drawing (if not taken 3d year) ....	2 hrs.
Mathematics IV. ....	2 hrs.
French I. ....	3 hrs.
German I. or III. ....	3 hrs.
Political Science I. ....	2 hrs.
English .....	2 hrs.
History III. ....	2 hrs.

Chemistry II. (Lectures and Laboratory) .....	5 hrs.
Botany I. ....	5 hrs.

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 10 hrs.
**Electives:**

Agriculture and Plant Physiology .....	3 hrs.
Wood Working (if not taken in 3d year) .....	3 hrs.
German II. or IV. ....	3 hrs.
French II. ....	3 hrs.
History IV. (Advanced American History) ....	2 hrs.
Education IV. (if not taken in 3d year) .....	3 hrs.
English .....	2 hrs.

Practice teaching is required of all students in this year.

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\* GENERAL REQUIREMENTS—(a.) Sixty-four hours are required in the last two years. (b.) At least fifteen hours are required each term.

## AGRICULTURAL AND INDUSTRIAL COURSE.\*

## First Year.

The work given in this year is the same as the second year's work in the Language and History Course.

## Second Year.

The work given to this year is the same as the first year's work in the Language and History Course.

## Third Year.

## First Term.

Mechanical Drawing .....	2 hrs.
Physics I. (Lectures only) .	3 hrs.
Physiology (Zoology I.) ..	5 hrs.
Psychology (Education I.) .	3 hrs.

13 hrs.

## Electives:

Physics I. (Laboratory, 2 periods) .....	2 hrs.
English .....	2 hrs.

## Second Term.

Wood Working .....	3 hrs.
Physics II (Lectures only). 3 hrs.	
Botany I. ....	5 hrs.
Psychology (Education II). 3 hrs.	
Drawing II. ....	2 hrs.

16 hrs.

## Electives:

Physics II. (Laboratory, 2 periods) .....	2 hrs.
English .....	2 hrs.

## Fourth Year.

Chemistry I. ....	5 hrs.
Agriculture .....	3 hrs.
Education III. ....	3 hrs.

11 hrs.

## Electives:

English (must be taken if omitted in 3d year)...	2 hrs.
Bacteriology (Botany VI). 3 hrs.	
Geology (General Geol- ogy) .....	4 hrs.

Chemistry II. ....	5 hrs.
Zoology II. ....	5 hrs.
Agriculture .....	3 hrs.

.. 13 hrs.

## Electives:

English (must be taken if omitted in 3d year ..	2 hrs.
Education IV. ....	3 hrs.
Plant Physiology (Bot- any II.) .....	3 hrs.

Practice teaching is required of all students in this year.

## Description in Detail of the Teachers' Courses.

The following is an outline of the courses offered for teachers:

FIRST YEAR.—*The same in all three courses.*

*Mathematics.*—Arithmetic and Algebra; the former in full, the latter to Quadratic Equations.

*English.*—Fundamentals of English Grammar, with best books used in the public schools; punctuation; sentence structure; weekly compositions; fundamental principles of rhetoric; courses in Poe, Tennyson, or some other popular standard author.

*Latin.*—Latin begun (Bain's Latin Book); in the second term Cæsar (Second Book begun).

*Physical Geography* (Ed. A.)—First term.—Studied both for its own content and as a correlation center for review of political geography, and for individual training in orthography and in the skilful use of library and reference books. Systematic meteorological observations made, tabulated and graphed, field excursions, laboratory experiments, sand tables, and other relief map work, frequent written exercises. It is the aim of this course to discover individual deficiencies in elementary training of students and to remedy these in close co-operation with other departments of the college. Required of all State students unless proficiency is evident upon examination. Three hours a week. Second Term (Ed. B.)—A continuation of Course A. Three hours a week.

*Zoology and Botany.*—First Term.—This course is devoted to the study of animal life, special attention being given to insects, birds and mammals. Second Term.—The previous term's work on animals is followed in this term by a study of plant life. Attention is directed to the structure and life processes of plants. Experiment, with soil, and growing plants are performed; the principles of plant ecology and agriculture are discussed, and in the spring some time is devoted to plant classification.

*Drawing.*—Freehand drawing; simple line sketching; drawing from nature, still life, casts and figures; principles of perspective and elementary colors; line composition; designing for simple forms of handicraft; laboratory work.

SECOND YEAR.—*The same in all three courses.*

*Mathematics.*—Algebra through quadratics, progressions, logarithms, binomial theorem. Plane geometry.

*English.*—English grammar continued; advanced course in

grammar. Either American or English literature; Rhetoric; course in Shakespeare.

*Latin.*—Cæsar, first four books, with a systematic study of Latin grammar; exercises based upon the text read.

*Civics.*—A study of the political institutions of the State of Virginia, and of the Federal Union.

*Education, C.*—First term.—Principles and methods of teaching. Lectures, text and collateral studies with closely related observations at Practice School, and written reports and oral discussions thereof. Required of all State students. Second term (Ed. D.)—A continuation of Course C, with some attention to problems of management in small schools. Required of all State students.

*General History.*—Outlines of General History, study of ancient, mediæval, and modern history.

*Manual Arts.*—Hand work for the primary grades in the public schools; basketry, weaving, pottery, and construction in paper, cardboard, bent iron and wood.

*Vocal Music.*—Fundamental principles.—Rote singing.

*Physical Culture.*—Exercises in free calisthenics; chest weights; heavy gymnastics; exercises in fancy marching; Indian club swinging; group games.

Begins November 1, and ends April 1.

#### THIRD AND FOURTH YEARS.

The third and fourth years of the work in the Teachers' Courses are made up from the following courses in the various departments of the college, the order in which they are given being found in the schedule of courses on pages 57-60. Most of these courses have credit value towards Bachelor of Arts and Bachelor Science Degrees.

#### Political Science.

*Course I.\**—The study of the American Colonial institutions and of the constitutions and administrative systems of the States

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\* Courses marked with an asterisk have credit value.

and Federal Government, pursued through lectures. Required in Language and History course; elective in the Science course; 2 hours a week; 1st term; 2 credits.

### English.

*Rhetoric.\**—Description, exposition, narration, argumentation, with frequent themes. Required in Language and History course, Science course, Agriculture and Industrial course. Two hours a week; 1st term; 2 credits.

*Study of Words.\**—The poetry, history, moral lessons in words. Required in the Language and History course. Two hours a week; 1st term; 2 credits.

*Shakespeare.\**—Analytical study of one of Shakespeare's plays, with parallel reading and essays. Required in Language and History course. Two hours a week; 2nd term; 2 credits.

*History of the English Language.\**—The history of the language from Anglo-Saxon times to the present. Disputed questions in English, origin of cases, tenses, moods, etc. Required in Language and History course. Two hours a week; 2nd term; 2 credits.

In the fourth year of the Language and History course, more English may be elected. (See schedule, page 43.)

Students in the Science course and in the Agricultural and Industrial course are required to take two courses in English, viz.: Rhetoric, and one other, to be arranged with the professor to suit their needs. In the Science course, two courses in English are elective. (See schedule, page 59.)

### History.

*American History V.\**—Required in the Language and History course in the third year (and in the Science Course). Three hours per week; 2nd term.

*History IV.\**—History of the United States, advanced course. A general study from the Revolutionary period to the present, with special emphasis on leading questions, such as education before and after the Revolution; rise and fall of parties; the Bank Question; the Tariff Question; Internal Improvements; Terri-

torial Annexations; Beginning, Growth and Fall of Slavery; States' Rights and Secession. Required in Language and History course. Elective in Science course. Two hours per week; 2nd term; 2 credits. (Professor Tyler.)

*History I.\**—History of Greece and Rome, with text-book and lectures. Parallel reading. (Prerequisites: Latin I. and II.) Two hours per week; 2nd term; 2 credits. Elective in Language and History course.

*History III.\**—History of England; advanced course; with text-book and lectures; parallel reading. Two hours per week; 1st term; 2 credits. Elective in Language and History course.

#### Mathematics.

*Course I.\*—Solid Geometry.*—Required in Language and History course; 2 hours a week; 1st term; 2 credits.

*Course II.\*—Advanced Algebra.*—Elective in Language and History course, and in Science course. One hour a week; both terms; 2 credits.

*Course III.\*—Plane Trigonometry.*—Required in Language and History course and in Science course. Two hours a week; 2nd term; 2 credits.

*Course IV.\*—Spherical Trigonometry.*—Elective in Science course. Two hours a week; 1st term; 2 credits.

#### Chemistry.

*Course I.\*—General Inorganic Chemistry*—with laboratory work. Descriptive and experimental lectures, recitation and problems. Required in Agricultural and Industrial course and in Science course. Lectures, 3 hours; laboratory, 2 periods a week; 1st term; 5 credits.

*Course II.\**—This course is a continuation of Course I. with the addition of a brief introduction to Organic Chemistry. Required in Agriculture and Industrial course and in Science course. Lectures, 3 hours; laboratory, 2 periods a week; 2nd term; 5 credits. Courses I. and II. together give a general survey of the subject of Chemistry.

**German.**

*German I.\**—Kayser and Monteser's Course; weekly exercises. Elective in Language and History course and the Science course. Three hours a week; 1st term; 3 credits.

*German II.\**—Kayser and Monteser's Course; Glück-Auf; weekly written exercises. Parallel. Elective in Language and History course and Science course. Three hours a week; 2nd term; 3 credits.

*German III.\**—Kayser and Monteser's course; Schiller's Wilhelm Tell; Lessing's Minna Von Barnhelm; Moore's History of German Literature. Weekly original exercises; parallel (Schiller and Heine); elective in Language and History course and Science course. Three hours a week; 1st term; 3 credits.

*German IV.\**—Kayser and Monteser's Course; Goethe's Faust; alternating Reineke Fuchs; Moore's History of German Literature; weekly original exercises. Parallel (Goethe and Heine). Elective in Language and History course and the Science course. Three hours a week; 2nd term; 3 credits.

**French.**

*French I.\**—Fraser and Squair's French Grammar; Molière's Bourgeois Gentilhomme; parallel (Molière and Victor Hugo); Kastner and Atkins' History of French Literature; weekly original exercises based on the lives and writings of the authors studied. Elective in the Language and History course and in the Science course. Three hours a week; 1st term; 3 credits.

*French II.\**—Fraser and Squair's French Grammar; Corneille's Le Cid; Histoire de Charles XII. (Voltaire); Kastner and Atkins' History of French Literature; weekly original exercises as in Course I. Parallel. Elective in the Language and History course and the Science course. Three hours a week; 2nd term, 3 credits.

**Zoology.**

*Course I.\*—Elementary Human Physiology.*—The fundamentals of human physiology with the anatomy and histology necessary to a clear understanding of the physiological processes

discussed. A knowledge of high school physiology is pre-supposed. Required in all courses. Lectures, 3 hours; laboratory, 4 hours; 1st term; 5 credits.

*Course II.\*—Elementary Zoology.*—A general course in zoology, covering the great groups of the animal kingdom as thoroughly as time will permit. Required in Agriculture and Industrial course. Lectures, 3 hours; laboratory, 4 hours; 2nd term; 5 credits. Prerequisite: Zoology I.

### Botany.

*Course I.\*—Elementary Botany.*—A morphological study of the four great plant groups, along with the basic principles of plant physiology and ecology. Elective in Language and History course; required in Science course and in Agriculture and Industrial course. Lectures, 3 hours; laboratory, 4 hours; 2nd term; 5 credits.

*Course II.\*—Plant Physiology and Agriculture.*—This course is intended to give a scientific foundation for the study and teaching of physiological botany and agriculture. Required in Agricultural and Industrial course. Lectures, 1 hour; laboratory, 4 hours; 2nd term; 3 credits. Prerequisite: Botany I., Chemistry I., and advisedly Physics I.

*Course VI.\*—Bacteriology.*—The principles and technique of bacteriology. Laboratory practice with pathogenic and non-pathogenic forms. Lectures, 1 hour a week; laboratory, 4 hours; 1st term; 3 credits. Prerequisite: Zoology I., and one other course in Biology.

### Drawing and Manual Arts.

*Drawing III.\*—Mechanical Drawing.*—An advanced course, involving analytical drawing and practice drafting, considered with reference to the needs of high school work. Elective in Language and History course, and in Science course; required in Agricultural and Industrial course. Two hours a week; 1st term; 2 credits (towards B. S.)

*Manual Arts III.—Wood-Working.*—For Elementary and Secondary Schools; shop work; study of materials and methods

of instruction. This course aims primarily at a training in the technical processes of wood-working, as a basis for instruction in the elementary and secondary schools. An analysis of the action of cutting tools is made, and the introduction of tools in class use discussed. Methods of Manual Training instruction are studied at length, and the presentation of typical projects suitable for the upper grades is considered in detail. Two periods a week, both terms, required in the Science Course; three periods a week; 2nd term, in the Agricultural and Industrial Course.

### Latin.

*Cicero*.—Three orations of Cicero; parallel reading. Grammar work and prose composition based upon the text read. Required in Language and History course; elective in Science course. Three hours a week; 1st term.

*Virgil*.\*—Six books of Virgil's Aeneid. Parallel reading. Latin versification as shown in the hexameter meter. Grammar work and selected exercises in prose composition. Elective in Language and History course, and in Science course. Three hours a week; 2nd term; 3 credits.

*Latin III*.\*—Books XXI. and XXII. of Livy. Parallel reading. Grammar work and prose composition based upon the text read. Elective in the Language and History course. Three hours a week; 1st term; 3 credits.

*Latin IV*.\*—The Odes and Epodes of Horace. Parallel reading. Latin versification as shown in the Horatian metres. Grammar work and selected exercises in prose composition. Elective in the Language and History course. Three hours a week; 2nd term; 3 credits.

### Psychology and Education.

*Education I*.\*—Psychology.—Same as Course I., Philosophy, with the addition of closely related observation visits to the Practice School and studies of practical application of psychological principles in teaching. Required in all courses; 3 hours a week; 3 hours a week; 2nd term; 3 credits. week; 1st term; 3 credits.

*Education II.\**—Continuation of Course I. Required in all

*Education III.\*—School System.*—A brief historic survey of the more important ancient and modern systems, culminating in a study of the Virginia system. Collateral study of great educational reformers. Required in all courses; 3 hours a week; 1st term; 3 credits.

*Education IV.\*—School Management.*—Problems and principles of class-room management, grading, marking, records, reports, duties of principals, relations to pupils, patrons, superintendents, boards and communities. Lectures, Virginia School Law and other texts, actual use of blanks, collateral reading and studies in Practice School. Required in Language and History course and in Science course; elective in Agricultural and Industrial course.

*Education V.—Practice Teaching.*—Preparation of lesson plans and teaching classes in Practice School; one hour a day for ten weeks, at times in both terms to be arranged with individual students. Longer time will be required of students whose practice work is not satisfactory. Required in all courses.

An additional year's work in Education may be elected in the fourth year of the Language and History course.

### Physics.

*Course I.\**—An elementary course. *Mechanics* and *Heat*. Lectures, 3 hours a week; laboratory, 2 periods a week; 1st term; 5 credits. Required in all courses, except that lectures may be taken without laboratory in Language and History course and in Agricultural and Industrial course.

*Course II.\**—A continuation of Course I. *Electricity, Sound and Light*. Lectures, 3 hours a week; laboratory, 2 periods a week; 2nd term; 5 credits. Lectures may be taken without laboratory in Language and History course and in Agricultural and Industrial course. Required in all other courses. Prerequisite: Course I.

No knowledge of physics is presupposed for Course I., but the student should have a working knowledge of elementary algebra, plane geometry, and English composition. At least 1st and 2nd year English are required.

## Observation and Training School.

This school consists of a kindergarten and the first four grades of the public school of Williamsburg. It is one of the most important factors in the training of the student-teachers, affording the best practicable model of organization and instruction of a school of this class. Throughout the entire Teachers' Course the students are kept in close touch with the working out of educational problems at the school and formal reports on their observations are required during the second and third years and practice teaching in the fourth.

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## College Societies, Etc.

### PHI BETA KAPPA SOCIETY.

#### ALPHA OF VIRGINIA.

This Society, the first Greek Letter Fraternity in the United States, was formed at William and Mary, December 5, 1776. It admits to membership only graduates of the college and persons other than graduates distinguished in letters, science or education.

*President*, .....HARRY ST. GEORGE TUCKER.

*Vice-President*, .....J. LESSLIE HALL.

*Secretary*, .....W. A. MONTGOMERY.

*Treasurer*, .....VAN F. GARRETT.

### YOUNG MEN'S CHRISTIAN ASSOCIATION.

This Association has for several years been doing a noble work in the college. It has a devotional meeting in the Association Hall every Tuesday night, and is at times addressed by visiting ministers and by members of the Faculty. A most important feature of its work is the meetings of the various Bible classes, taught by the pastors of neighboring churches, students,

and members of the Faculty. This Association takes charge of the college prayer service several days in every month. The officers for the present year are:

<i>President</i> , .....	C. C. BELL.
<i>Vice-President</i> , .....	A. R. KOONTZ.
<i>Recording Secretary</i> , .....	R. C. YOUNG.
<i>Corresponding Secretary</i> , .....	G. P. ARNOLD.
<i>Treasurer</i> , .....	F. E. GRAVES.

This Association has a reading-room in the Y. M. C. A. Hall, and the Board of Visitors have recently given a special shelf in the Library for the use of the Y. M. C. A., and furnished it with a collection of select works of religious literature. Periodicals are furnished by friends, and young men are here brought under good religious influence. Parents are reminded of the great importance of Christian influence at this period of a young man's life, and are requested to impress upon their sons the claims of the Y. M. C. A.

Sermon before the Y. M. C. A., on Sunday, June 6, 1909, at 8 o'clock P. M.

### LITERARY SOCIETIES.

There are two Literary Societies of long standing, the Philomathean and the Phoenix. They meet weekly in their halls for the purpose of cultivating debate, composition and declamation. They have their celebrations on June 7 and 8, 1909.

#### PHOENIX SOCIETY.

<i>Final President</i> , .....	K. A. AGEE.
<i>Secretary</i> , .....	R. B. JACKSON.
<i>Debaters</i> , .....	{ ..J. M. HURT. ..N. W. SCHLOSSBERG.
<i>Orators</i> , .....	{ ..J. M. DAVIS. ..W. L. HOPKINS.

*Final President.* ..... W. C. DOUGLASS.

Secretary, ..... J. E. HEALY.

*Debaters,* ..... { ..J. T. CARTER.  
                              { ..F. W. TAYLOR.

*Orators,* ..... { ..C. L. EBELL.  
                              ..H. P. FOX.

A monthly magazine is published by the two Literary Societies, and the managers for the session closing June 10, 1909, are:

*Editor-in-Chief*, .....E. L. B. GOODWIN.

*Associate Editors, . . . . .* { .. W. E. ROACH.  
 .. P. S. GILLIAM.  
 .. J. H. BRENT.  
 .. D. D. SIZER.  
 .. W. L. HOPKINS.

*Business Manager, . . . . .*R. C. YOUNG.

*Assistant Business Manager, . . . . .* H. F. TOMPKINS.

*Physical Director*, .....F. M. CRAWFORD.

*President,* ..... R. C. YOUNG.

*Vice-President*, .....W. L. HOPKINS.

*Secretary and Treasurer*,.....H. F. TOMPKINS.

The following rules apply to this Association:

1. The Committee of the Faculty on Athletics is entrusted with the general oversight of all athletics, and is authorized to forbid any features in these exercises which endanger the health or morals of the participants.

2. No one shall play in any intercollegiate contest who is not, at the time of such contest, a regular matriculated student in good standing.

3. No student will be permitted to play upon any college team except after physical examination by the College Physician and with the approbation of the Physical Director.

4. Leave of absence for the purpose of playing intercollegiate match games may be allowed to the college teams, such leaves not to exceed five days in the session in the case of any team.

5. Only students who act as regular or substitute members of the athletic teams will be permitted to accompany them on trips away from the college.

6. Special monthly reports shall be made to the Faculty with respect to the class standing and progress in study of each player on the athletic teams during the seasons, whether such player be a regular or substitute member of any team.

7. Any member of an athletic team who is reported for neglect of his studies or for non-attendance on lectures, will be required by the Faculty to sever his connection with such team.

8. The athletic teams shall not have contests elsewhere than in Williamsburg with any except teams from other institutions of learning.

9. Members of teams, and all students visiting out of town except when in the company and under control of parents and guardians, are subject to the rules of the college.

#### ALUMNI ASSOCIATION OFFICERS.

By rules of the Alumni Association, all persons in good standing who have been students (graduates of otherwise) or professors of the College of William and Mary, wherever their actual residence, may be members of this Association when they shall have signed the constitution, stating their respective addresses, and paid their initiation fee. The society may also elect honorary members. The initiation fee is three dollars, which shall be in full of all dues for the first year. The annual dues shall be one

dollar, payable in advance to the Secretary on the day of the annual meeting. The officers for this years are:

*President*, .....W. C. L. TALIAFERRO.

*Vice-President*, .....JAMES S. WILSON.

*Second Vice-President*, .....H. L. BRIDGES.

*Third Vice-President*, .....A. D. WRIGHT.

*Secretary and Treasurer*,.....H. D. COLE.

*Executive Committee.*

THE FOREGOING OFFICERS AND

DR. GEO. A. HANKINS,      DR. J. L. HALL,      HUGH S. BIRD.

## Donations to the Library.

1908-1909.

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Books, presented by Dr. J. B. Hodgkin, Robert M. Hughes, T. F. Ryan, Hugh S. Bird, Lyon G. Tyler, H. E. Bennett, Flora Adams Darling, J. B. Cabell, and others.

Three beautiful druggets for the new Library, presented by Dr. George Clinton Batcheller, of New York.

Portraits of William H. Cabell, Governor of Virginia, and Joseph C. Cabell, the associate of Mr. Jefferson in the establishment of the University of Virginia, presented by Mrs. William Ruffin Cox.

Portrait of Jefferson Davis, presented by Mrs. Flora Adams Darling in behalf of "the Edward Darling Memorial Society."

"The Edward Darling Memorial Collection" being a collection of letters and relics, presented by Mrs. Flora Adams Darling, in memory of her deceased son.

"The Pradmore Collection of Indian Relics," numbering upwards of 2,000 specimens, loaned to the college by H. H. Pradmore, of Big Stone Gap, Va.

Chart of Williamsburg, May 11, 1782, by French Engineer, presented by Mr. Crimmins, through Mrs. Betty Custis Ambler.













